

**ChemWhat<sup>®</sup>**

# Featured Catalog of Immunodiagnostic Products



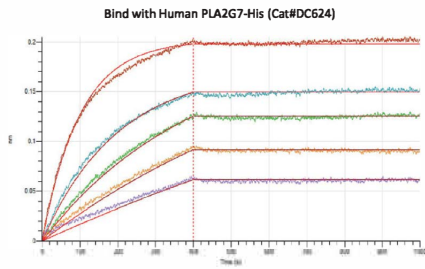
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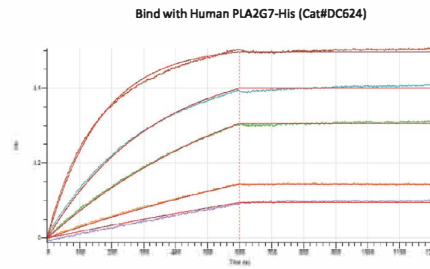
# 1 Cardiac Markers

Product Name	Source	Cat No.
sST2	Human Cells	DCI84
sST2 Antibody	Human Cells	DA014
Galectin-3	<i>E. coli</i>	DC068
proBNP	<i>E. coli</i>	DC154
NT-proBNP	<i>E. coli</i>	DCM29
NT-proANP	<i>E. coli</i>	DRA11
PAI-1/Serpin E1	Human Cells	DC537
FABP3	<i>E. coli</i>	DC135
Lp-PLA2	Human Cells	DC624
Lp-PLA2 Antibody (4E11)	Human Cells	DA056
Lp-PLA2 Antibody (7G5)	Human Cells	DA057
Lp-PLA2 Antibody (3B7)	Human Cells	DA058
Lp-PLA2 Antibody (6H3)	Human Cells	DA059
CKMB type I	<i>E. coli</i>	DRA12
cTnI	<i>E. coli</i>	DRA04
cTnC	<i>E. coli</i>	DRA10
cTnT	<i>E. coli</i>	DRA16
Myo	<i>E. coli</i>	DRA06
GDF-15	Human Cells	DRA24
GDF-15	<i>E. coli</i>	DRA26
GDF-15 antibody (15E1)	Human Cells	DA015
GDF-15 antibody (11B2)	Human Cells	DA016
GDF-15 antibody (9F3)	Human Cells	DA017
CKBB	<i>E. coli</i>	DRA02
CKMM	Human Cells	DCC96
sCD40L	Human Cells	DCI56
sCD40L antibody (5A4)	Human Cells	DA060
sCD40L antibody (11F2)	Human Cells	DA061

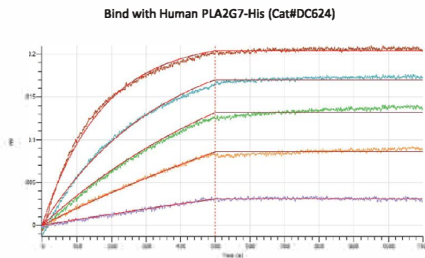
## Lp-PLA2 Antibody (Cat#DA056/57/58/59)



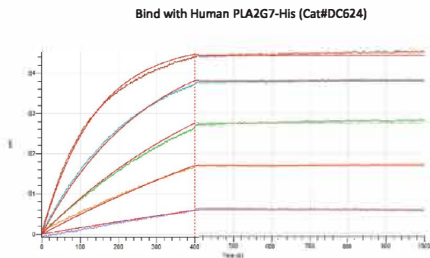
Affinity:  $<10^{-3}$  nM (BLI)



Affinity:  $<10^{-3}$  nM (BLI)

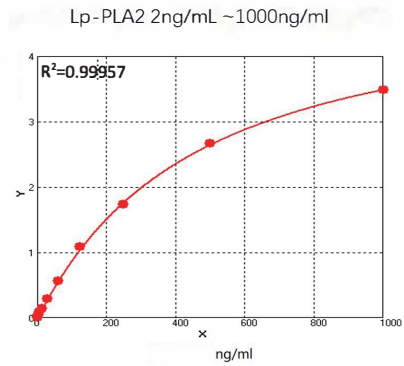


Affinity:  $<10^{-3}$  nM (BLI)



Affinity:  $<10^{-3}$  nM (BLI)

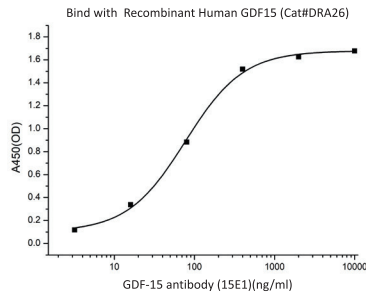
	DA056(4E11)	DA057(7G5)	DA058(3B7)	DA059(6H3)
DA056(4E11)	—	+++	++	++
DA057(7G5)	++	—	++	++
DA058(3B7)	+	++	—	+
DA059(6H3)	++	++	+	—



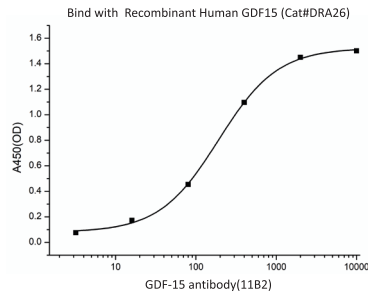


# 1 Cardiac Markers

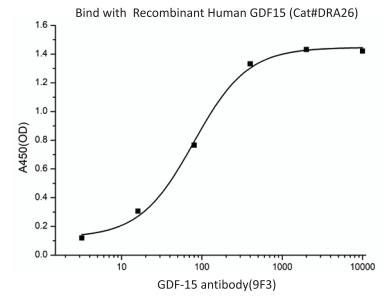
## GDF-15 Antibody (Cat#DA015/16/17)



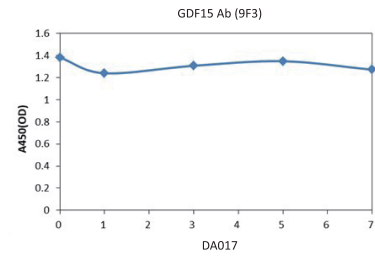
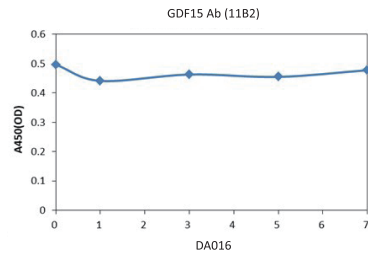
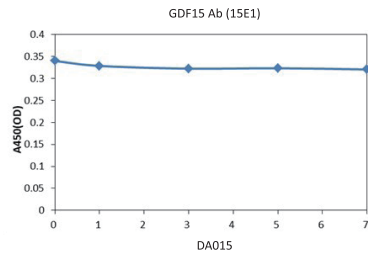
EC50: 77.2 ng/ml



EC50: 190.9 ng/ml



EC50: 78.9 ng/ml



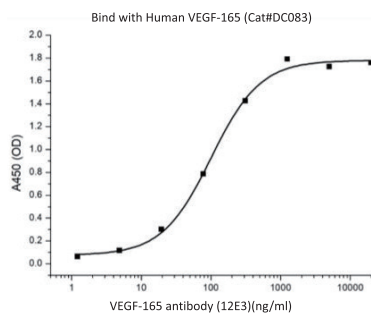
Stability is confirmed by binding ability with human GDF-15 (Cat#DRA26). The result showed antibody bioactivity has no significant differences after placed at 37 °C for 7 days.

## 2 Tumor Markers

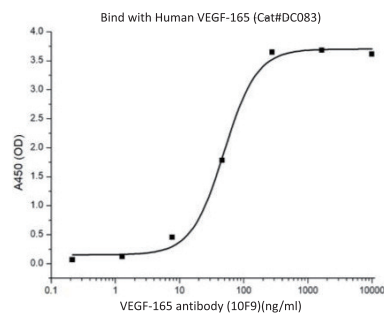
Product Name	Source	Cat No.
HER2	Human Cells	DCP69
CA 15-3	Human Cells	DCS58
HE4	Human Cells	DC550
GOLM1	Human Cells	DC933
CXCL10	<i>E. coli</i>	DC054
FLT-3 ligand	Human Cells	DCA82
EGF	<i>E. coli</i>	DC029
CCL2/MCP-1	<i>E. coli</i>	DCM78
Vitronectin	Human Cells	DC395
KGF	<i>E. coli</i>	DCH73
Estrogen Receptor $\alpha$	<i>E. coli</i>	DCE11
SCF	Human Cells	DCD53
Kininogen-1	Human Cells	DC523
Osteopontin	Human Cells	DC544
SDF-1 $\alpha$	<i>E. coli</i>	DC121
G-CSF	<i>E. coli</i>	DC002
GM-CSF	<i>P. pastoris</i>	DC040
BDNF	<i>E. coli</i>	DC076
PAP	Human Cells	DC420
u-PA	Human Cells	DC393
Alpha-2-HS-glycoprotein	Human Cells	DC425
LDHA	<i>E. coli</i>	DC235
LDHB	<i>E. coli</i>	DC236
NGF $\beta$	<i>E. coli</i>	DC060
FGF-1	<i>E. coli</i>	DC049
FGF-2	<i>E. coli</i>	DC046
Kallikrein-10	Human Cells	DC360
IGF-1	<i>E. coli</i>	DC031
TRAIL	<i>E. coli</i>	DC022
Cathepsin B	Human Cells	DC398
IGFBP-3	Human Cells	DRA23
IGFBP-5	Human Cells	DCA41
IGFBP-4	Human Cells	DC347

Product Name	Source	Cat No.
IGFBP-1	Human Cells	DCU66
CEA	Human Cells	DCM95
AFP	Human Cells	DCS71
PG I	<i>E. coli</i>	DRA07
PG II	Human Cells	DRA29
CYFRA21-1	<i>E. coli</i>	DRA08
TNF- $\beta$	<i>E. coli</i>	DC181
VEGF-165 Antibody (12E3)	Human Cells	DA019
VEGF-165 Antibody (10F9)	Human Cells	DA021
VEGF-165 Antibody (3A6)	Human Cells	DA067
VEGF165	Human Cells	DC083

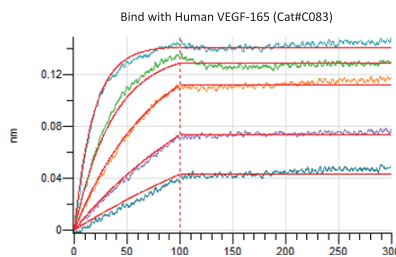
## VEGF-165 Antibody (Cat# DA019/21)



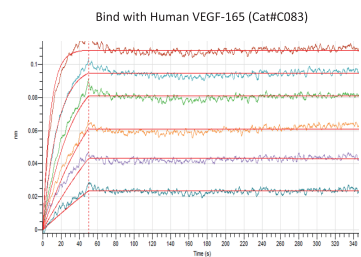
EC50: 110 ng/ml



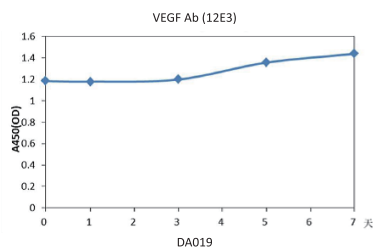
EC50: 49.5 ng/ml



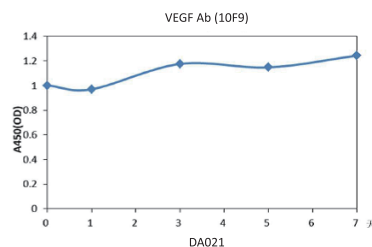
Affinity:  $<10^{-3}$  nM (BLI)



Affinity: 0.004 nM (BLI)



DA019



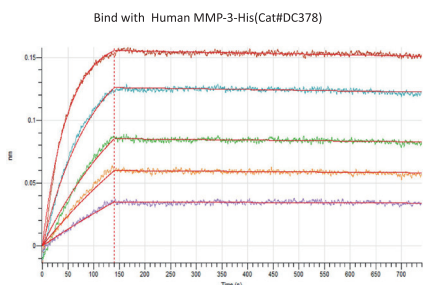
DA021

Stability is confirmed by binding ability with human VEGF-165 (Cat#DC083). The result showed antibody bioactivity has no significant differences after placed at 37 °C for 7 days.

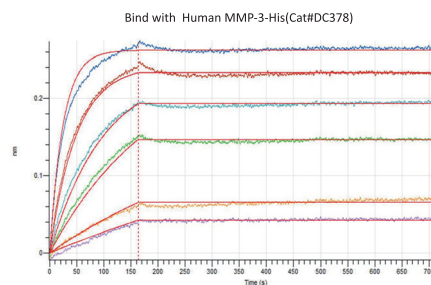
## 3 Inflammatory Markers

Product Name	Source	Cat No.
Calprotectin	<i>E. coli</i>	DC796
S100-A8	<i>E. coli</i>	DC794
S100-P	<i>E. coli</i>	DC258
S100-A9	<i>E. coli</i>	DC795
Haptoglobin	Human Cells	DCD97
A1AT	Human Cells	DC533
TNF $\alpha$	<i>E. coli</i>	DC008
IFN $\gamma$	<i>E. coli</i>	DC014
PCT	Human Cells	DCA21
IL-10	Human Cells	DCD04
IL-8	<i>E. coli</i>	DC037
IL-6	<i>E. coli</i>	DC009
IL-6 antibody (12H6)	Human Cells	DA011
IL-6 antibody (15H5)	Human Cells	DA012
IL-6 antibody (19D6)	Human Cells	DA013
SAA-1	<i>E. coli</i>	DC633
LOX-1	Human Cells	DC524
HBP	Human Cells	DC430
CRP	Human Cells	DRA180
Oncostatin M	<i>E. coli</i>	DC099
MMP-3	Human Cells	DC378
MMP-3 Antibody (6A11)	Human Cells	DA062
MMP-3 Antibody (9B5)	Human Cells	DA063

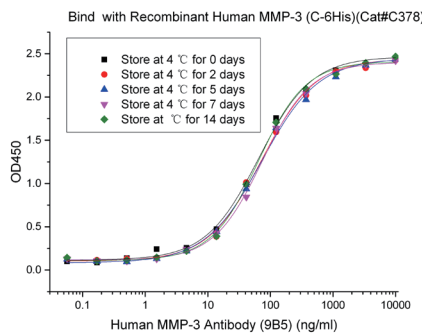
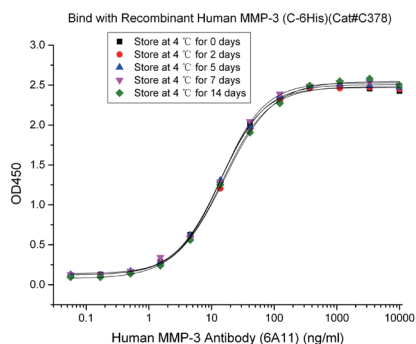
### MMP-3 Antibody ( Cat#DA062/63)



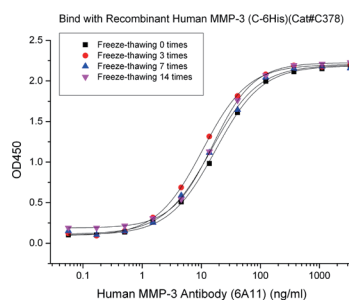
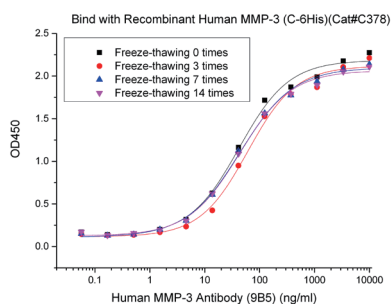
Affinity: 0.12 nM (BLI)



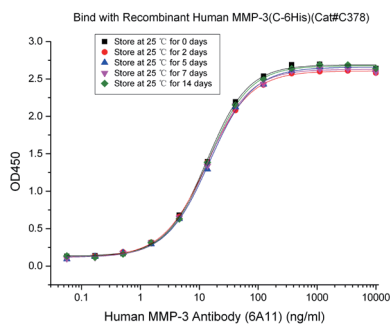
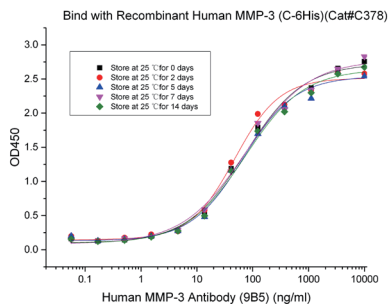
Affinity: <math><10^{-3}</math> nM (BLI)



Stability is tested by binding ability with MMP-3 antigen after storage for 14 days at 4°C. The results showed no significant differences among these samples.

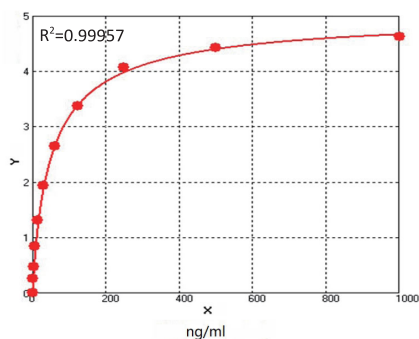


Stability is tested by binding ability with MMP-3 antigen after 14 times freeze-thaw. The results showed no significant differences among these samples.



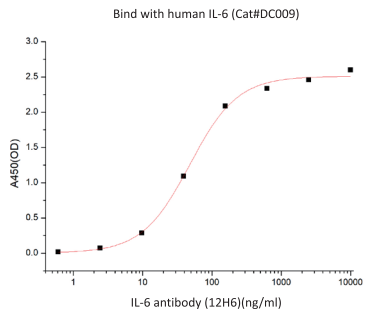
Stability is tested by binding ability with MMP-3 antigen after storage for 14 days at 25°C. The results showed no significant differences among these samples.

MMP-3 2ng/mL~1000ng/ml

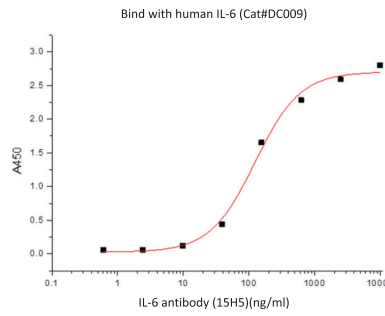




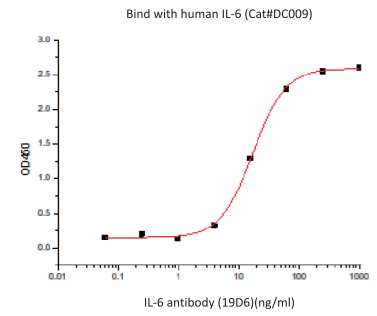
## IL-6 Antibody (Cat#DA011/12/13)



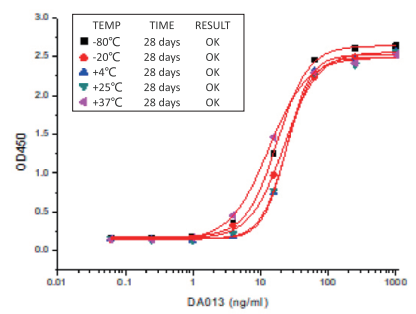
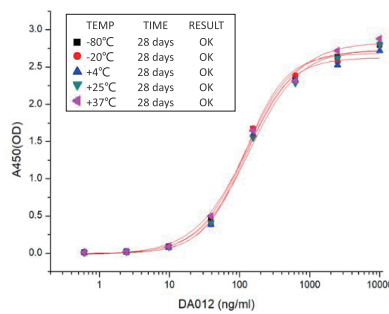
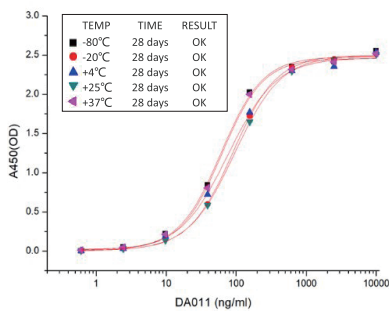
EC50: 47.89ng/ml



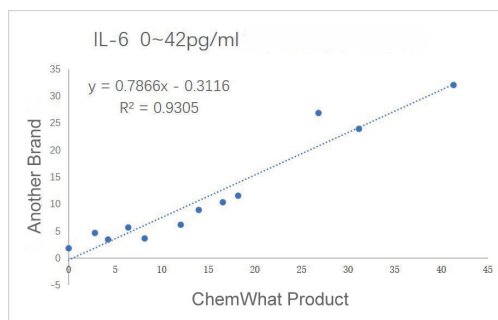
EC50: 150 ng/ml



EC50: 50 ng/ml



Stability is confirmed by binding ability with human IL-6 (Cat#DC009). The result showed antibody bioactivity has no significant differences after placed at 37 °C for 7 days.



## 4 Reproductive Health

Product Name	Source	Cat No.
AMHN	Human Cells	DRA15
PRL	Human Cells	DCM10
HCGA	Human Cells	DRA09
CGB3	Human Cells	DCC93
FSH	Human Cells	DCM28
FSHB	Human Cells	DCA13
SP-10	Human Cells	DC421

## 5 Kidney Function

Product Name	Source	Cat No.
RBP4	<i>E. coli</i>	DC169
Cys C	Human Cells	DCI55
B2M	<i>E. coli</i>	DCH02
Albumin	<i>P.Pichia</i>	DCP01
NGAL	<i>E. coli</i>	DCH31
KIM-1	Human Cells	DRA03

## 6 Hepatobiliary Diseases

Product Name	Source	Cat No.
AGP2	Human Cells	DCD54
5'-Nucleotidase	Human Cells	DC446
Transthyretin	Human Cells	DC545
TIMP-1	Human Cells	DC456
MMP-1	Human Cells	DC374

## 7 Blood Lipid Markers

Product Name	Source	Cat No.
apo A-I	Human Cells	DC511
apo A-II	Human Cells	DCC76
apo C-II	<i>E. coli</i>	DCB66
apo A-IV	Human Cells	DCA08
apo D	Human Cells	DC556
apo E	Human Cells	DCI02
apo H	Human Cells	DC432
apo M	Human Cells	DC557

## 8 Autoimmune Diseases

Product Name	Source	Cat No.
MPO	Human Cells	DCS73
SLA	<i>E. coli</i>	DE054
Proteinase 3	Human Cells	DC628
GARS	<i>E. coli</i>	DE055
Jo-1	<i>E. coli</i>	DE045
tTG	<i>E. coli</i>	DE056
TPO	Human Cells	DRA22
SS-B	<i>E. coli</i>	DRA70
Sm RNP-P2	Human Cells	DRA118

## 9 Neurobiology Markers

Product Name	Source	Cat No.
NT3	<i>E. coli</i>	DC079
NSE	<i>E. coli</i>	DRA01
NNE	<i>E. coli</i>	DRA05
S100-B	<i>E. coli</i>	DCM19
Amyloid $\beta$ A4 Protein	Human Cells	DRA20

# 10 Infectious Diseases

Product Name	Source	Cat No.
HIV p24 protein	<i>E. coli</i>	DRA19
TB P38	<i>E. coli</i>	DRA27
TB CFP-10	<i>E. coli</i>	DRA28
TP17	<i>E. coli</i>	DRA94
TP47	<i>E. coli</i>	DRA151
TP15	<i>E. coli</i>	DRA172
TP0453	<i>E. coli</i>	DRA179
TmpA	<i>E. coli</i>	DRA174
Influenza A H7N7 (A/Netherlands/219/2003)	Human Cells	DRA141
Influenza A NP (strain A/Hong Kong/1/1968 H3N2)	Human Cells	DRA130
Influenza A H5N1 (A/Hong Kong/483/1997)	Human Cells	DRA132
Influenza A H1N1 (A/Taiwan/01/1986)	Human Cells	DRA127
Influenza A H1N1 (A/Hong Kong/1/1968) NP	<i>E. coli</i>	DRA158
Influenza A H1N1 (A/New Caledonia/20/1999) NP	Human Cells	DRA148
FluA NP Antibody (3C8)	Human Cells	DA074
FluA NA Antibody (9E4)	Human Cells	DA076
Influenza B (strain B/Singapore/222/1979)	Human Cells	DRA142
Influenza B NP (B/Beijing/184/93)	Human Cells	DRA131
Influenza B virus (B/Victoria/504/2000) HA Protein	Human Cells	DRA147
Influenza B virus (strain B/Yamagata/16/1988) HA Protein	Human Cells	DRA163
FluB NP Antibody (7F9)	Human Cells	DA075
PEDV S1 Protein	Human Cells	DRA164
PEDV Nucleocapsid Protein	<i>E. coli</i>	DRA173
BPIV-3 Nucleocapsid Protein	<i>E. coli</i>	DRA171
BHV-1 gE Protein	Human Cells	DRA167
ASFV pS273R	<i>E. coli</i>	DRA160
ASFV p72&pB602L complex	Human Cells	DRA162
ASFV p30	<i>E. coli</i>	DRA149
ASFV p54	<i>E. coli</i>	DRA150
Recombinant TGEV S1 Protein	Human Cells	DRA181

## 11 Allergens

Product Name	Source	Cat No.
Charybdis feriata Cha f1	<i>E. coli</i>	DRA97
Penaeus aztecus Pen a1	<i>E. coli</i>	DRA98
Bovine Bos d4	Human Cells	DRA103
Bovine Bos d 11	<i>E. coli</i>	DRA105
Bovine Bos d 8	Human Cells	DRA108
Bovine Bos d 8 ( <i>E.coli</i> )	<i>E. coli</i>	DRA119
Bovine Bos d 5	Human Cells	DRA124
Chicken Gal d 1	Human Cells	DRA115
Chicken Gal d 2	<i>E. coli</i>	DRA109
Chicken Gal d 3	Human Cells	DRA123
Chicken Gal d 4	Human Cells	DRA104
Chicken Gal d 5	Human Cells	DRA114
Chicken Gal d 6	Human Cells	DRA116
European House Dust Mite Der p10	<i>E.coli</i>	DRA99
American House Dust Mite Der f2	Human Cells	DRA102
Dermatophagoides pteronyssinus Der p 2	Human Cells	DRA117

## 12 2019-nCoV Related Proteins

Product Name	Source	Cat No.
SARS-CoV-2 S Protein RBD (Mu, B.1.621, C-6His)	Human Cells	DRA185
SARS-CoV-2 S Protein RBD (Mu, B.1.621, C-mFc)	Human Cells	DRA183
SARS-CoV-2 S Protein RBD (C.1.2, C-6His)	Human Cells	DRA182
SARS-CoV-2 S Protein RBD (C.1.2, C-mFc)	Human Cells	DRA184
SARS-CoV-2 S-trimer Protein (Alpha 501Y.V1, C-6His)	Human Cells	DRA136
SARS-CoV-2 S1 Protein (Alpha 501Y.V1, C-6His)	Human Cells	DRA133
SARS-CoV-2 S Protein RBD (Alpha N501Y, C-mFc)	Human Cells	DRA128
SARS-CoV-2 S Protein RBD (Alpha N501Y, C-6His)	Human Cells	DRA120
SARS-CoV-2 S Protein RBD (Alpha N501Y, C-Fc)	Human Cells	DRA121
Biotinylated SARS-CoV-2 S Protein RBD (Alpha N501Y, C-6His-Avi)	Human Cells	DRA145
SARS-CoV-2 Alpha (B.1.1.7, D614G)-GFP-Luc Pseudovirion		XCV04
SARS-CoV-2 S-trimer Protein (Beta N501Y.V2, C-6His)	Human Cells	DRA153
SARS-CoV-2 S Protein RBD (Beta 501Y.V2, C-6His)	Human Cells	DRA125



# 12 2019-nCoV Related Proteins

Product Name	Source	Cat No.
SARS-CoV-2 S Protein RBD (Beta 501Y.V2,C-mFc)	Human Cells	DRA135
SARS-CoV-2 S Protein RBD (Beta 501Y.V2,C-Fc)	Human Cells	DRA126
SARS-CoV-2 Beta (501Y.V2) -GFP-Luc Pseudovirion		XCV05
SARS-CoV-2 S-trimer Protein (Gamma P.1, C-6His)	Human Cells	DRA157
SARS-CoV-2 S Protein RBD (Gamma P.1, C-mFc)	Human Cells	DRA143
SARS-CoV-2 S Protein RBD (Gamma P.1, C-6His)	Human Cells	DRA144
SARS-CoV-2 Gamma (P.1) -Luc Pseudovirion		XCV06
SARS-CoV-2 S-trimer Protein (Delta B.1.617.2, C-6His)	Human Cells	DRA168
SARS-CoV-2 S Protein RBD (Delta B.1.617.2, C-6His)	Human Cells	DRA166
SARS-CoV-2 S Protein RBD (Delta, B.1.617.2, C-mFc)	Human Cells	DRA178
SARS-CoV-2 Delta (B.1.617.2) -Luc Pseudovirion		XCV08
SARS-CoV-2 S Protein RBD (Epsilon CAL.20C, C-mFc)	Human Cells	DRA152
SARS-CoV-2 S Protein RBD (Epsilon CAL.20C, C-6His)	Human Cells	DRA146
SARS-CoV-2 Epsilon (B.1.429) -Luc Pseudovirion		XCV07
SARS-CoV-2 S-trimer Protein (Eta B.1.525, C-6His)	Human Cells	DRA154
SARS-CoV-2 S Protein RBD (Eta E484K, C-mFc)	Human Cells	DRA129
SARS-CoV-2 S Protein RBD (Eta E484K, C-6His)	Human Cells	DRA134
SARS-CoV-2 S Protein RBD (Kappa B.1.617.1, C-6His)	Human Cells	DRA155
SARS-CoV-2 S Protein RBD (Kappa B.1.617.1, C-mFc)	Human Cells	DRA156
SARS-CoV-2 Kappa (B.1.617.1) -Luc Pseudovirion		XCV11
SARS-CoV-2 S Protein RBD (Lambda C.37, C-6His)	Human Cells	DRA169
SARS-CoV-2 S Protein RBD (Lambda C.37, C-mFc)	Human Cells	DRA170
SARS-CoV-2 Lambda (C.37) -Luc Pseudovirion		XCV09
293-ACE2 Overexpressed Cells		XCC14
Anti-SARS-CoV-2 S-hIgG1 Neutralizing Antibody (8A5)	Human Cells	DA034
Anti-SARS-CoV-2 S-mIgG1 Neutralizing Antibody (8A5)	Human Cells	DA035
Anti-SARS-CoV-2 S-clgG1 Neutralizing Antibody (8A5)	Human Cells	DA036
SARS-CoV-2 S Protein RBD (B.1.620, C-6His)	Human Cells	DRA165
SARS-CoV-2 B.1.620-Luc Pseudovirion		XCV10
SARS-CoV-2 S-trimer Protein (D614G)	Human Cells	DRA59
SARS-CoV-2 S1 Protein (D614G)	Human Cells	DRA57
SARS-CoV-2 (D614G) -Luciferase Pseudovirion		XCV01
SARS-CoV-2 (D614G) -GFP Pseudovirion		XCV02
SARS-CoV-2 (D614G) -GFP-Luc Pseudovirion		XCV03
SARS-CoV-2 S-Trimer Protein	Human Cells	DRA49

# 12 2019-nCoV Related Proteins

Product Name	Source	Cat No.
SARS-CoV-2 S-trimer Protein (D614G, N439K)	Human Cells	DRA100
SARS-CoV-2 S-stable trimer Protein	Human Cells	DRA107
SARS-CoV-2 S-trimer Protein (Y453F,D614G)	Human Cells	DRA112
SARS-CoV-2 ΔFVI-S trimer Protein (C-6His)	Human Cells	DRA113
SARS-CoV-2 S-stable trimer Protein (C-6His, low endotoxin)	Human Cells	DRA122
SARS-CoV-2 S1 Protein (C-mFc)	Human Cells	DRA30
SARS-CoV-2 S1 Protein (non-tag)	Human Cells	DRA35
SARS-CoV-2 S1 Protein (C-Fc)	Human Cells	DRA37
SARS-CoV-2 S1 Protein (C-6His)	Human Cells	DRA47
SARS-CoV-2 S1 Protein (C-10His)	Human Cells	DRA56
SARS-CoV-2 S1 Protein CTD	Human Cells	DRA46
SARS-CoV-2 S Protein NTD (C-6His)	Human Cells	DRA45
SARS-CoV-2 S Protein NTD (C-6His) V2	Human Cells	DRA85
SARS-CoV-2 S2 Protein	Human Cells	DRA48
SARS-CoV-2 S Protein RBD (C-mFc)	Human Cells	DRA32
SARS-CoV-2 S Protein RBD (C-6His)	Human Cells	DRA36
SARS-CoV-2 S Protein RBD (C-mFc) V2	Human Cells	DRA68
SARS-CoV-2 S Protein RBD (C-6His) V2	Human Cells	DRA72
SARS-CoV-2 S Protein RBD (C-Fc)	Human Cells	NC068
SARS-CoV-2 S Protein RBD-SD1 (C-mFc)	Human Cells	DRA38
SARS-CoV-2 S Protein RBD-SD1 (C-6His)	Human Cells	DRA42
SARS-CoV-2 S Protein RBD-SD1 (C-Avi-6His)	Human Cells	DRA43
SARS-CoV-2 S Protein RBD-SD1 (V367F)	Human Cells	DRA50
SARS-CoV-2 S Protein RBD (F342L)	Human Cells	DRA73
SARS-CoV-2 S Protein RBD (N354D)	Human Cells	DRA74
SARS-CoV-2 S Protein RBD (R408I)	Human Cells	DRA75
SARS-CoV-2 S Protein RBD (V367F)	Human Cells	DRA76
SARS-CoV-2 S Protein RBD (A435S)	Human Cells	DRA77
SARS-CoV-2 S Protein RBD (K458R)	Human Cells	DRA78
SARS-CoV-2 S Protein RBD (G476S)	Human Cells	DRA79
SARS-CoV-2 S Protein RBD (V483R)	Human Cells	DRA80
SARS-CoV-2 S Protein RBD-SD1 (N354D, D364Y)	Human Cells	DRA51
SARS-CoV-2 S Protein RBD (N439K)	Human Cells	DRA101
SARS-CoV-2 S Protein RBD-SD1 (W436R)	Human Cells	DRA52
SARS-CoV-2 S Protein RBD (D364Y)	Human Cells	DRA81

# 12 2019-nCoV Related Proteins

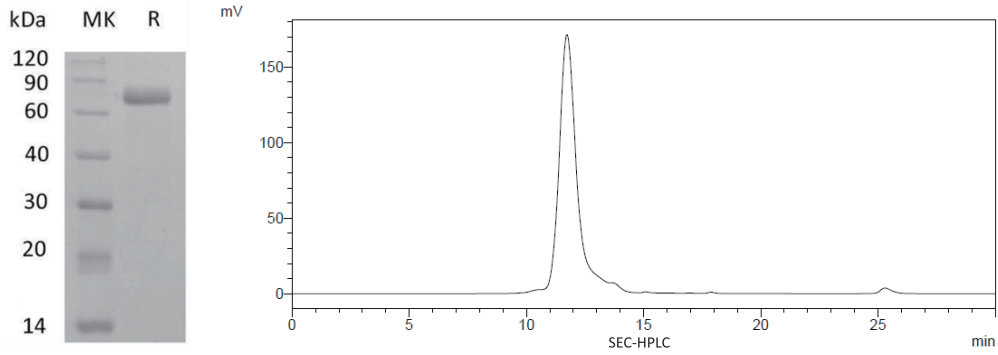
Product Name	Source	Cat No.
SARS-CoV-2 S Protein RBD (V341I)	Human Cells	DRA82
SARS-CoV-2 S Protein RBD (E484Q, C-6His)	Human Cells	DRA161
SARS-CoV-2 S Protein RBD (E484Q, C-mFc)	Human Cells	DRA159
SARS-CoV-2 S Protein RBD (Y453F, C-6His)	Human Cells	DRA139
SARS-CoV-2 S Protein HR1 (N-6His-Sumo)	<i>E. coli</i>	DRA83
SARS-CoV-2 S Protein HR1	<i>E. coli</i>	DRA84
SARS-CoV-2 Nucleocapsid Protein (N-6His)	<i>E. coli</i>	DRA31
SARS-CoV-2 Nucleocapsid Protein (N-6His) V2	<i>E. coli</i>	DRA53
SARS-CoV-2 NP NTD domain (N-6His)	<i>E. coli</i>	DRA40
SARS-CoV-2NP NTD domain (E.coli, N-6His) V2	<i>E. coli</i>	DRA61
SARS-CoV-2 NP CTD domain	<i>E. coli</i>	DRA41
SARS-CoV-2 NP CTD domain V2	<i>E. coli</i>	DRA60
SARS-CoV-2 NP (Truncated)	<i>E. coli</i>	DRA58
SARS-CoV-2 Nucleocapsid Protein	Human Cells	DRA91
Biotinylated SARS-CoV-2 Nucleocapsid Protein	<i>E. coli</i>	DRA93
HCoV-NL63 Nucleocapsid Protein	<i>E. coli</i>	DRA63
SARS-CoV Nucleocapsid Protein	<i>E. coli</i>	DRA64
MERS-CoV Nucleocapsid Protein	<i>E. coli</i>	DRA65
HCoV-OC43 Nucleocapsid Protein	<i>E. coli</i>	DRA66
HCoV-229E Nucleocapsid Protein	<i>E. coli</i>	DRA67
HCoV-HKU1 Nucleocapsid Protein	<i>E. coli</i>	DRA69
SARS-CoV S-Trimer Protein	Human Cells	DRA96
MERS-CoV S-Trimer Protein (R751S)	Human Cells	DRA95
HCoV-HKU1 S-trimer Protein	Human Cells	DRA140
SARS-CoV-2 E Protein	<i>E. coli</i>	DRA33
SARS-CoV-2 NP Antibody (6G9)	Human Cells	DA027
SARS-CoV-2 NP Antibody (9C2)	Human Cells	DA044
Anti-SARS-CoV-2 NP ScFv (4A6)	<i>E. coli</i>	DA028
Anti-SARS-CoV-2 NP ScFv-Fc (4A6)	Human Cells	DA029
SARS-CoV-2 NP Antibody (4A6)	Human Cells	DA049
Anti-SARS-CoV-2 S1 mAb (5D9)	Human Cells	NC025
Anti-SARS-CoV-2 S Antibody (5E8)	Human Cells	DA041
Anti-SARS-CoV-2 S Antibody (2B7)	Human Cells	DA042
Anti-SARS-CoV-2 S-RBD Antibody (9B2)	Human Cells	DA043
Anti-SARS-CoV-2 S-hIgM Neutralizing Antibody (8A5)	Human Cells	DA039

## 12 2019-nCoV Related Proteins

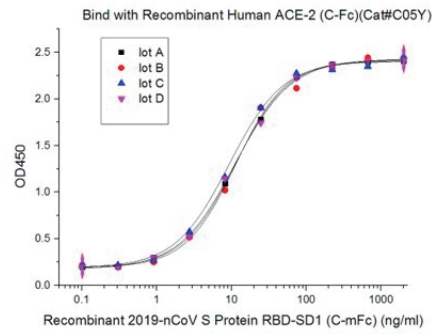
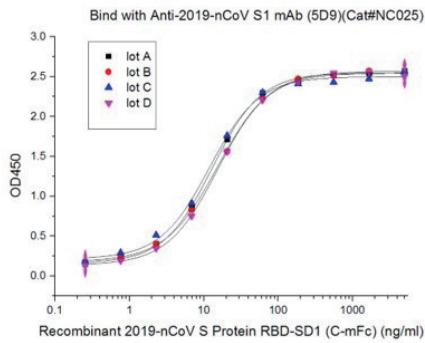
Product Name	Source	Cat No.
Anti-SARS-CoV-2 S-hIgA Neutralizing Antibody (8A5)	Human Cells	DA040
Anti-SARS-CoV-2 Spike mAb (IgG&IgM Positive Control)	Human Cells	DA032
Anti-SARS-CoV-2 NP mAb (IgG&IgM Positive Control)	Human Cells	DA033
3CLPro (Nsp5, N-6His)	<i>E. coli</i>	CR76
Helicase (NSP13,C-6His)	<i>E. coli</i>	CR84
NSP1 (Host translation inhibitor, C-6His)	<i>E. coli</i>	CR78
NSP2 (C-6His)	<i>E. coli</i>	CR82
NSP7 (Primase, C-6His)	<i>E. coli</i>	CR79
NSP8 (Primase, C-6His)	<i>E. coli</i>	CR80
NSP10 (GFL, C-6His)	<i>E. coli</i>	CR81
papain-like protease (NSP3)	<i>E. coli</i>	CR77
Guanine-N7_methyltransferase (NSP16, N-6His)	<i>E. coli</i>	CR83
ACE-2 (C-6His)	Human Cells	C419
ACE-2 (C-Fc)	Human Cells	C05Y
ACE-2 (C-Avi-6His)	Human Cells	CY51
ACE-2 (C-mFc)	Human Cells	C06A
ACE-2 (C-6His) V2	Human Cells	DRA110
ACE-2 (C-Avi-6His) V2	Human Cells	DRA111
ACE-2 (C-Fc) V2	Human Cells	DRA106
Mouse ACE-2 (C-10His)	Human Cells	C07D
Rhesus Macaque ACE-2 (C-10His)	Human Cells	C07U
Macaque ACE-2 (C-Fc)	Human Cells	C07W
Human CD147 (C-6His)	Human Cells	C433
Human CD209 (N-Fc)	Human Cells	C07G
Human CD299 (N-8His-Flag)	Human Cells	C07H
Human Cathepsin B (C-6His)	Human Cells	C398
Human Cathepsin L (C-6His)	Human Cells	C401

# 12 2019-nCoV Related Proteins

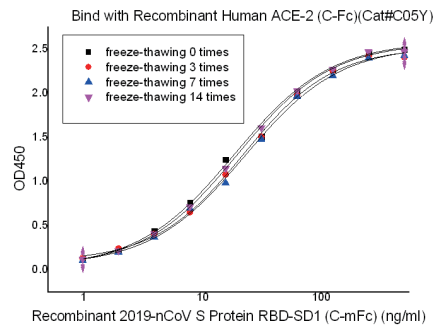
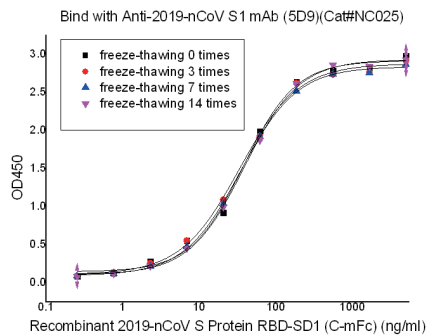
## 2019-nCoV S Protein RBD-SD1 (C-mFc) (Cat#DRA38)



Purity: Greater than 95% as determined by reducing SDS-PAGE and SEC-HPLC.



Batch stability: It is confirmed by binding ability with Anti-2019-nCoV-S1 mAb (5D9) or ACE-2. The result showed no significant differences among these samples.

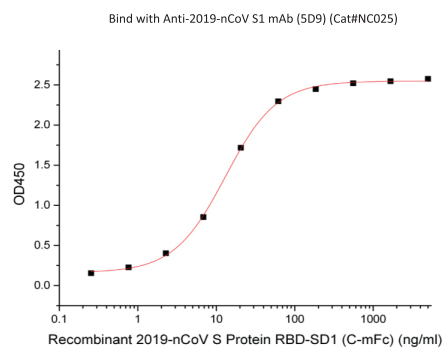
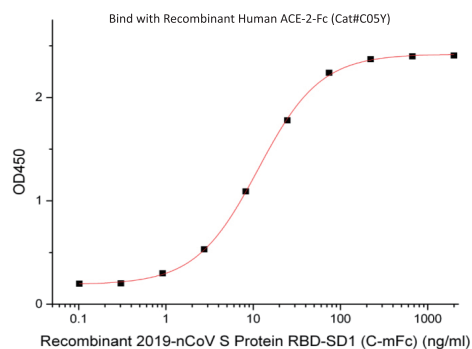


Freeze-thaw stability: It is tested by repeated freeze-thaw cycles. The result showed no significant differences after freeze-thawing 14 times.



# 12 2019-nCoV Related Proteins

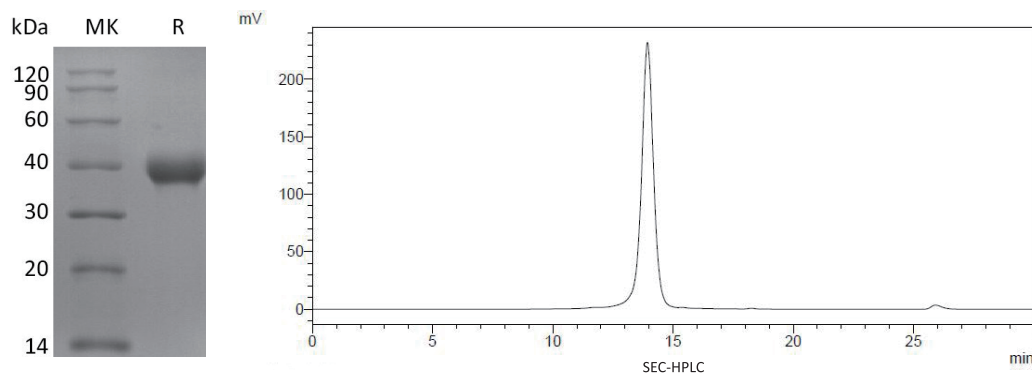
## 2019-nCoV S Protein RBD-SD1 (C-mFc) (Cat#DRA38)



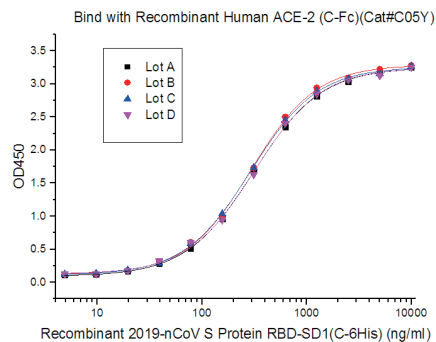
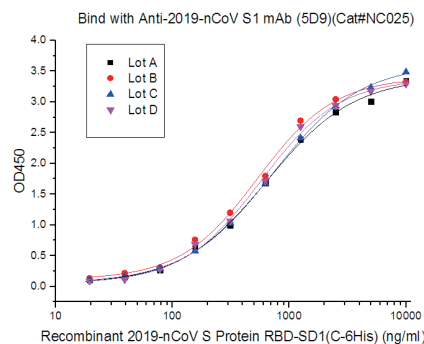
EC50: 5-20 ng/ml

EC50: 5-20 ng/ml

## 2019-nCoV S Protein RBD-SD1 (C-6His) (Cat#DRA42)



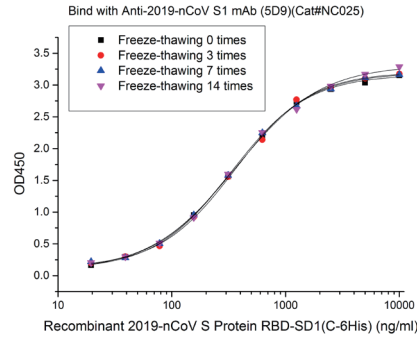
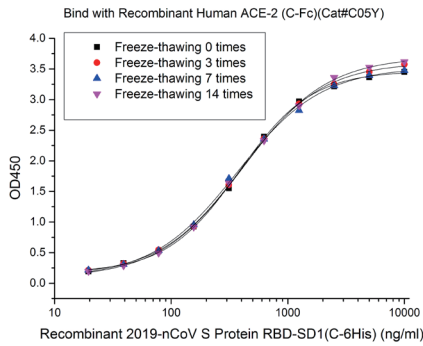
Purity: Greater than 95% as determined by reducing SDS-PAGE and SEC-HPLC.



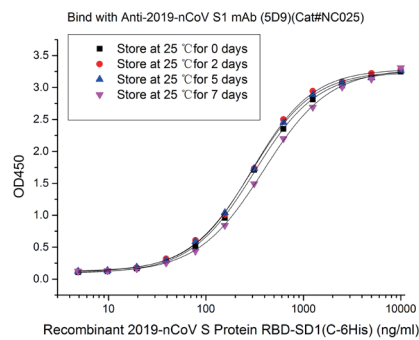
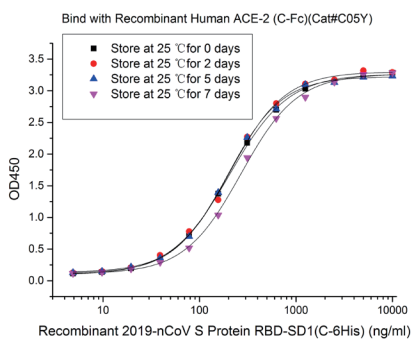
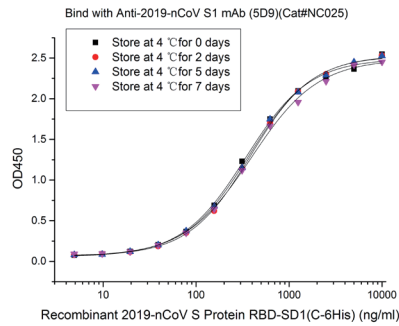
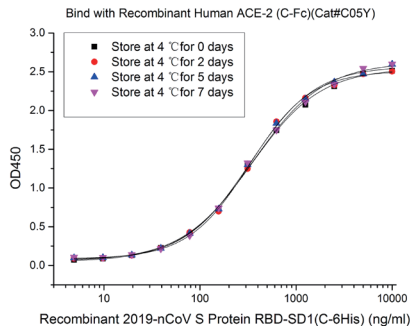
Batch stability: It is confirmed by binding ability with Anti-2019-nCoV-S1 mAb (5D9) or ACE-2. The result showed no significant differences among these samples.

# 12 2019-nCoV Related Proteins

## 2019-nCoV S Protein RBD-SD1 (C-6His) (Cat#DRA42)



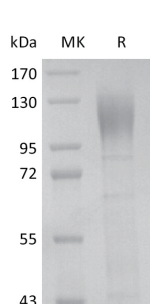
Freeze-thaw stability: Stability is tested by binding ability with Anti-2019-nCoV-S1 mAb (5D9) or ACE-2 after 14 times freeze-thaw. The results showed no significant differences among these samples.



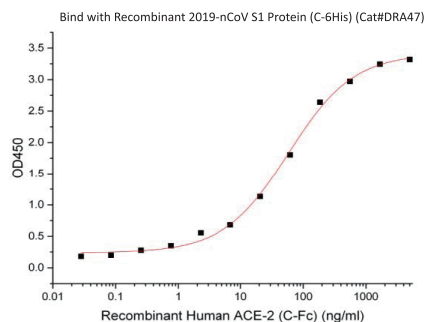
Stability is tested by binding ability with Anti-2019-nCoV-S1 mAb (5D9) or ACE-2 after storage for 14 days at 4/25°C. The results showed no significant differences among these samples.

# 12 2019-nCoV Related Proteins

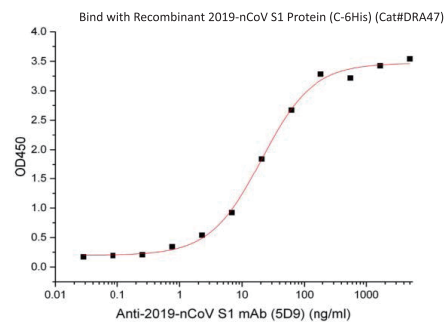
## 2019-nCoV S1 Protein (C-6His) (Cat#DRA47)



Purity: Greater than 90%

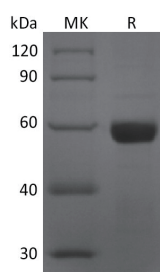


EC50: 58.3 ng/ml

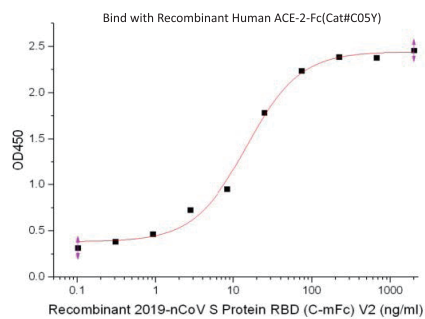


EC50: 20.6 ng/ml

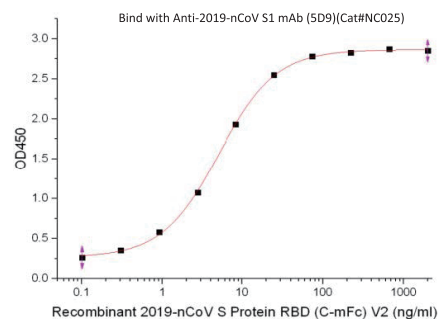
## 2019-nCoV S Protein RBD (C-mFc) V2 (Cat#DRA68)



Purity: Greater than 95%

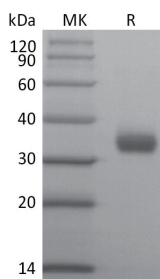


EC50: 5-50 ng/ml

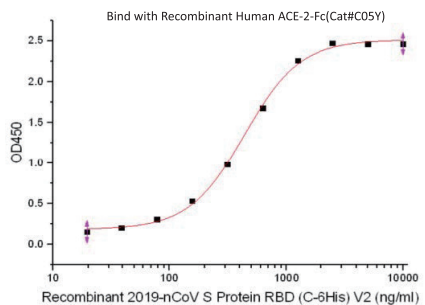


EC50: 5-30 ng/ml

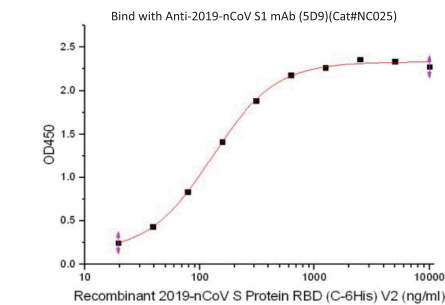
## 2019-nCoV S Protein RBD (C-6His) V2 (Cat#DRA72)



Purity: Greater than 95%



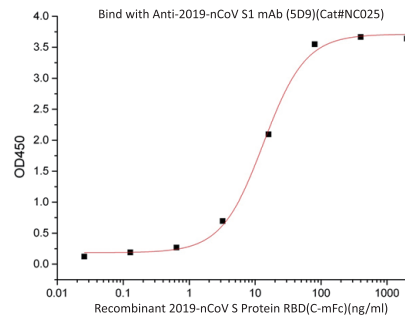
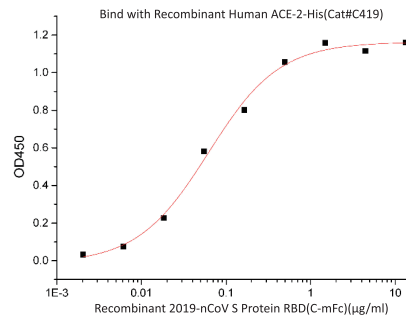
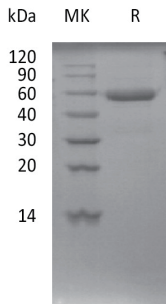
EC50: 417 ng/ml



EC50: 117 ng/ml

# 12 2019-nCoV Related Proteins

## 2019-nCoV S Protein RBD (C-mFc) (Cat#DRA32)

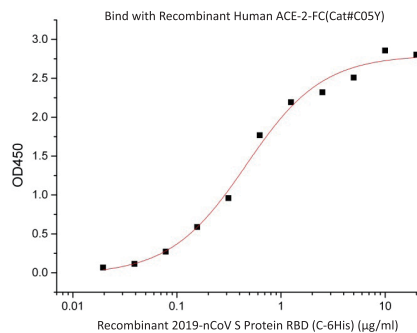
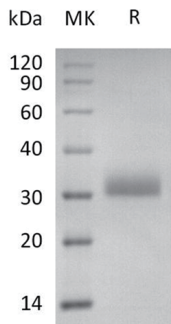


Purity: Greater than 95%

EC50: 62 ng/ml

EC50: 13 ng/ml

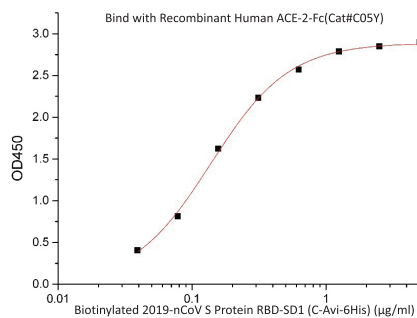
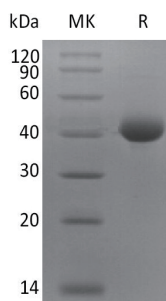
## 2019-nCoV S Protein RBD (C-6His) (Cat#DRA36)



Purity: Greater than 95%

EC50: 0.46 µg/ml

## Biotinylated 2019-nCoV S Protein RBD-SD1 (C-Avi-6His) (Cat#DRA43)

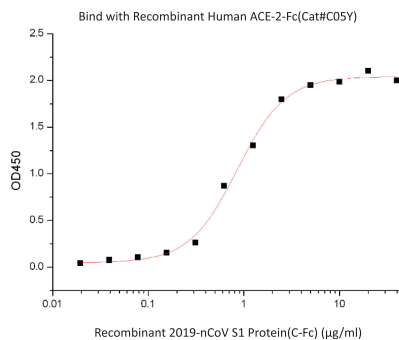
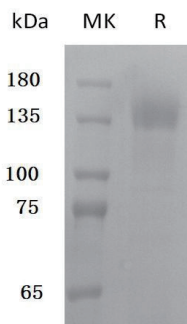


Purity: Greater than 95%

EC50: 0.13 µg/ml

# 12 2019-nCoV Related Proteins

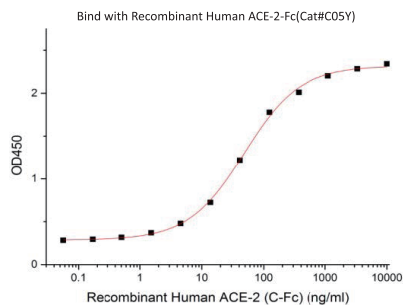
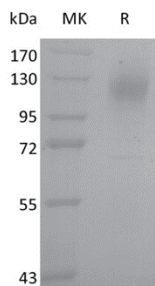
## 2019-nCoV S1 Protein (C-Fc) (Cat#DRA37)



Purity: Greater than 90%

EC50: 0.85 µg/ml

## 2019-nCoV S1 Protein (Non-Tag) (Cat#DRA35)



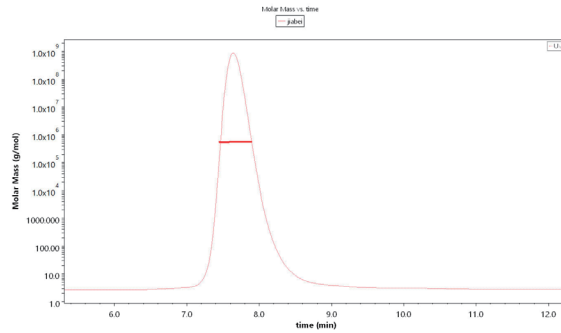
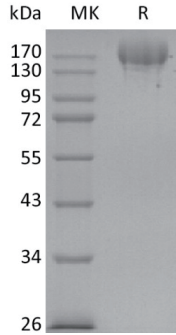
Purity: Greater than 95%

EC50: 15-150 ng/ml



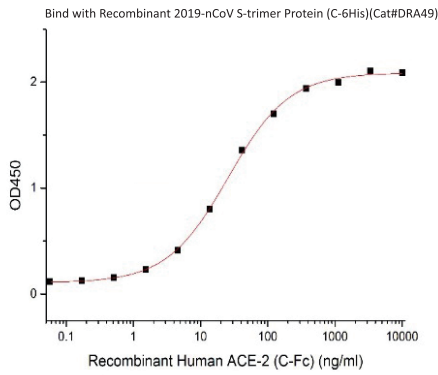
# 12 2019-nCoV Related Proteins

## 2019-nCoV S-trimer Protein (Mammalian, C-6His) (Cat#DRA49)

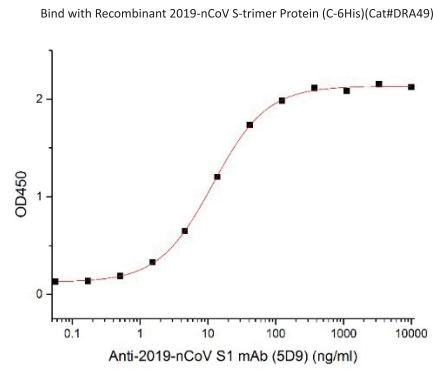


Purity: Greater than 95%

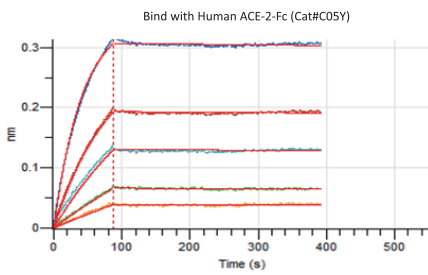
AP Mol Mass: 550~670kDa, Purity: Greater than 90%



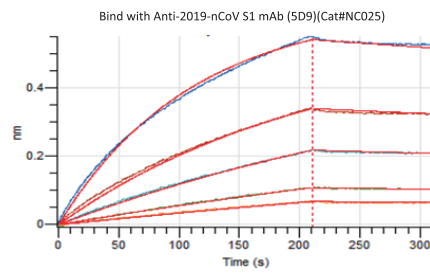
EC50: 15-120 ng/ml



EC50: 5-30 ng/ml



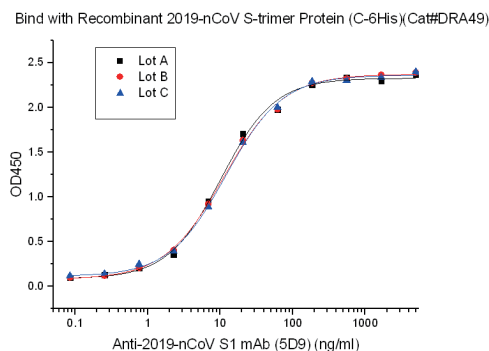
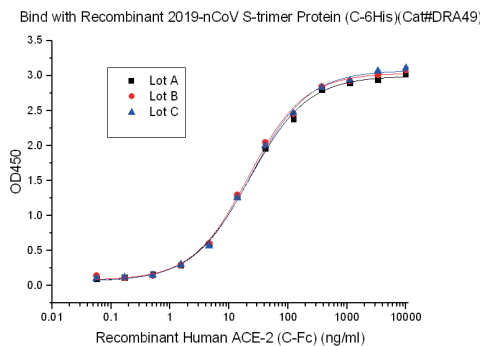
Affinity: 0.125 nM (BLI)



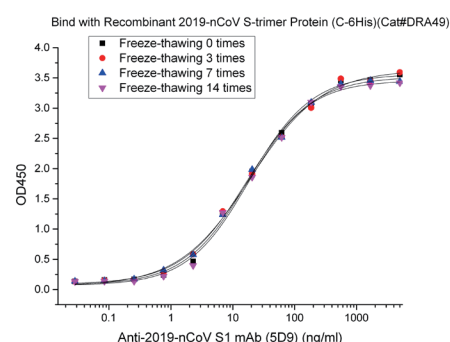
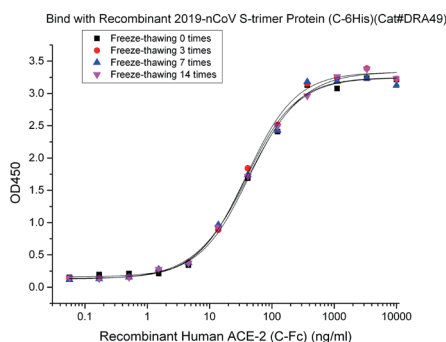
Affinity: 3.88 nM (BLI)

# 12 2019-nCoV Related Proteins

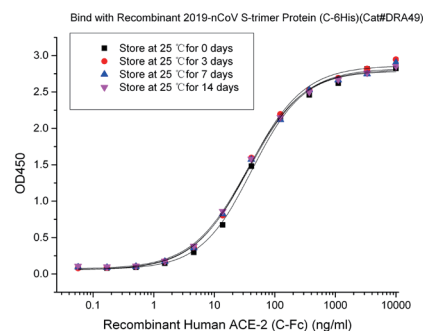
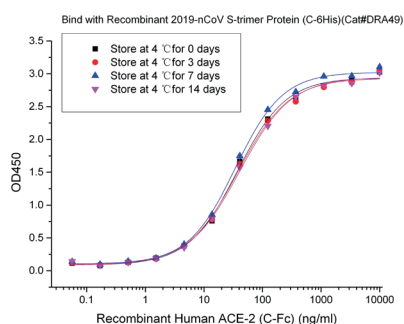
## 2019-nCoV S-trimer Protein (Mammalian, C-6His) (Cat#DRA49)



Batch stability is confirmed by binding ability with Anti-2019-nCoV-S1 mAb (5D9) or ACE-2. The result showed no significant differences among these samples.



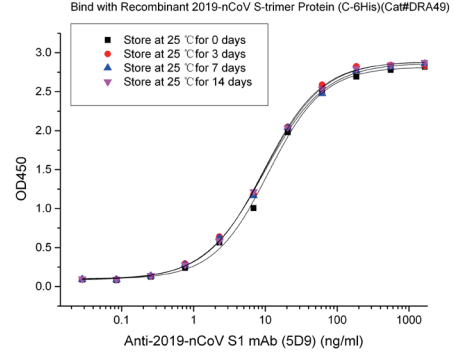
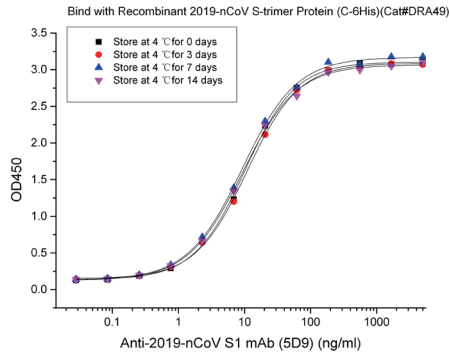
Stability is tested by binding ability with Anti-2019-nCoV-S1 mAb (5D9) or ACE-2 after 14 times freeze-thaw . The results showed no significant differences among these samples.



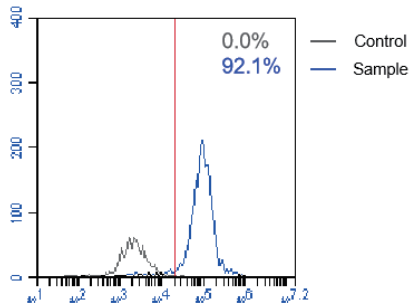
Stability is tested by binding ability with ACE-2 after storage for 14 days at 4/25°C . The results showed no significant differences among these samples.

# 12 2019-nCoV Related Proteins

## 2019-nCoV S-trimer Protein (Mammalian, C-6His) (Cat#DRA49)



Stability is tested by binding ability with ACE-2 after storage for 14 days at 4/25°C. The results showed no significant differences among these samples.

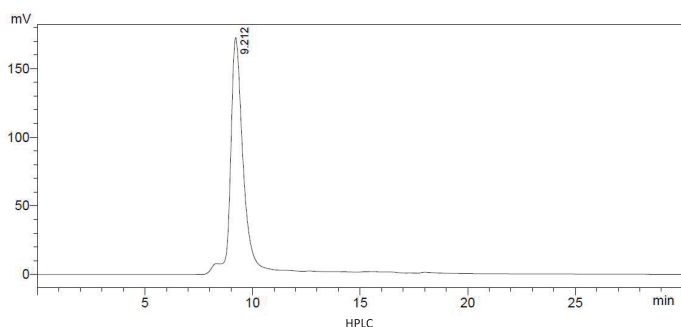


2019-nCoV S-trimer Protein (C-6His) (Cat#DRA49) can bind 293-ACE2 Overexpressed Cells (Cat#XCC14).

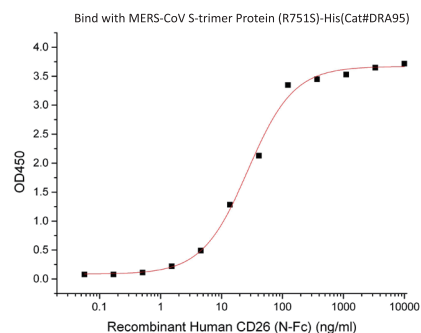
The percentage for positive cell is 92.1%.

# 12 2019-nCoV Related Proteins

## MERS-CoV S-trimer Protein (R751S, C-6His) (Cat#DRA95)

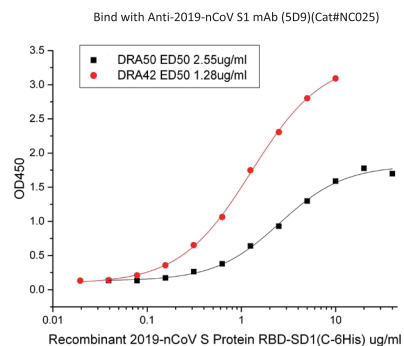
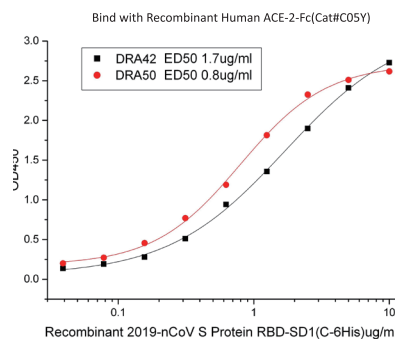
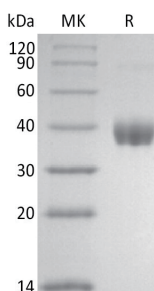


Purity: Greater than 90%



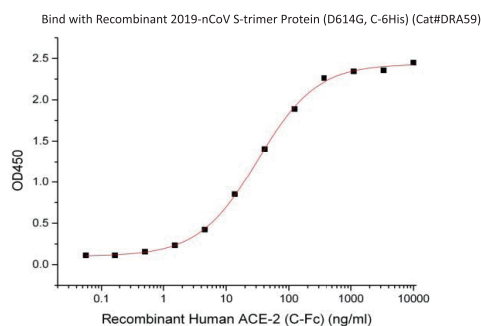
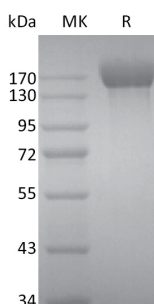
EC50: 27.16 ng/ml

## 2019-nCoV S Protein RBD-SD1 (Mammalian, V367F, C-6His) (Cat#DRA50)

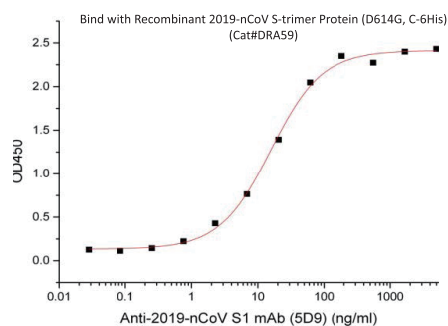


Purity: Greater than 95%

## 2019-nCoV S-trimer Protein (Mammalian, D614G, C-6His) (Cat#DRA59)



EC50: 31.75 ng/ml

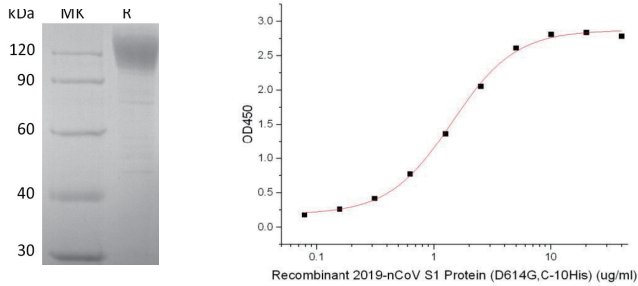


EC50: 15.81 ng/ml

Purity: Greater than 95%

## 12 2019-nCoV Related Proteins

### 2019-nCoV S1 Protein (Mammalian, D614G,C-10His) (Cat#DRA57)

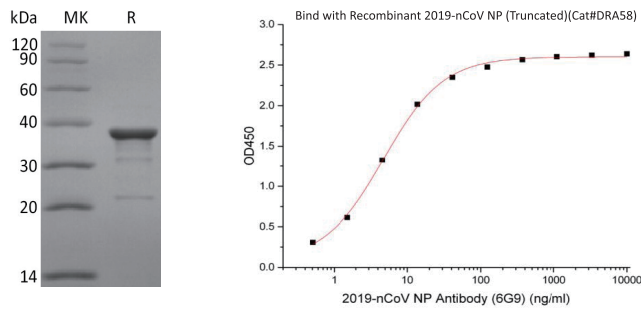


Purity: Greater than 90%

EC50: 1.43 µg/ml

## 12 2019-nCoV Related Proteins

### 2019-nCoV NP (Truncated) (Cat#DRA58)

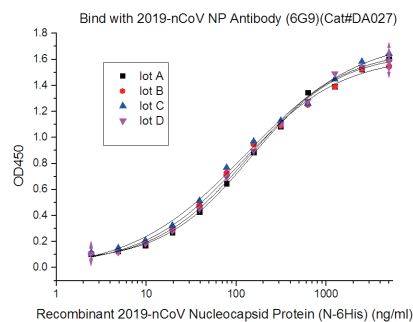
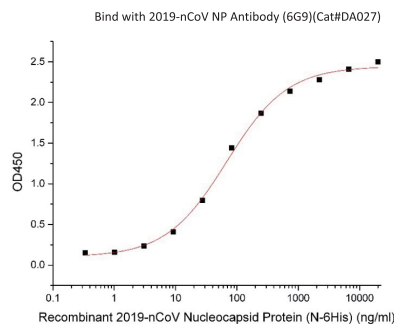
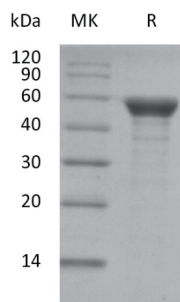


Purity: Greater than 95%

EC50: 4.8 ng/ml

# 12 2019-nCoV Related Proteins

## 2019-nCoV Nucleocapsid Protein (N-6His) (Cat#DRA31)

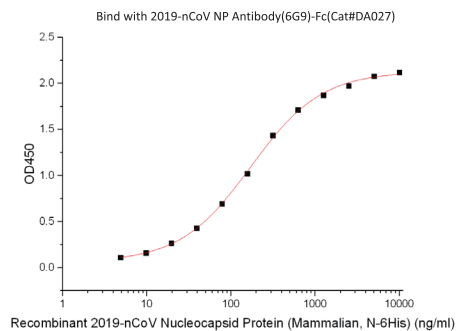
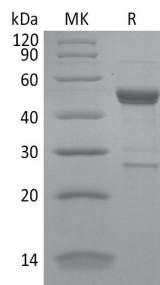


Purity: Greater than 95%

EC50: 68 ng/ml

Batch stability: It is confirmed by binding ability with and-2019-nCoV NP Antibody (6G9). The result showed no significant differences among these samples.

## 2019-nCoV Nucleocapsid Protein (C-6His) (Cat#DRA91)

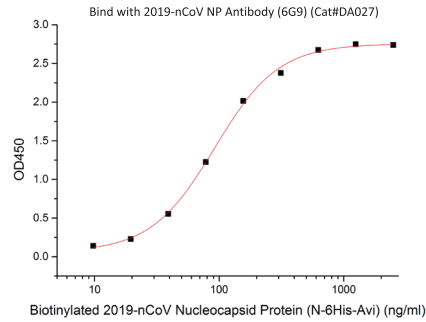
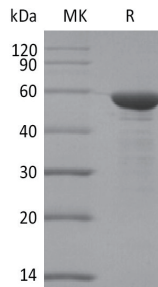


Purity: Greater than 95%

EC50: 0.172 µg/ml

## 12 2019-nCoV Related Proteins

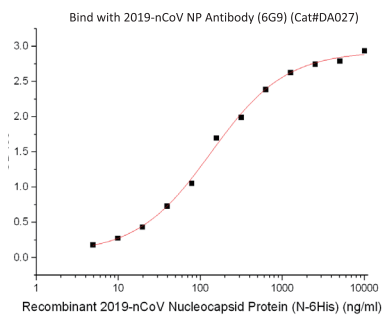
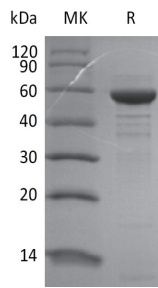
### Biotinylated 2019-nCoV Nucleocapsid Protein (N-6His-Avi)(Cat#DRA93)



Purity: Greater than 95%

EC50: 92 ng/ml

### 2019-nCoV Nucleocapsid Protein (N-6His) V2 (Cat#DRA53)



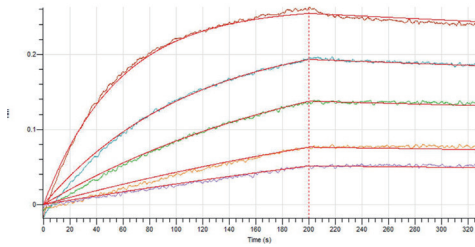
Purity: Greater than 95%

EC50: 0.29 µg/ml

# 12 2019-nCoV Related Proteins

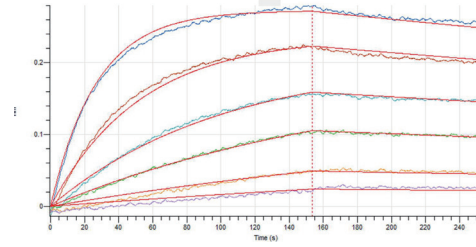
## Anti-2019-nCoV S-hlgG1 Neutralizing Antibody (8A5) (Cat#DA034)

Bind with Recombinant 2019-nCoV S-trimer Protein (C-6His) (Cat#DRA49)

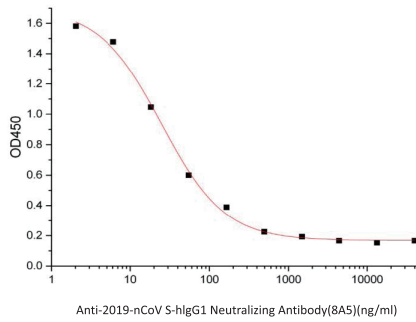


Affinity: 0.40 nM

Bind with Recombinant 2019-nCoV S Protein RBD- SD1 (C-6His) (Cat#DRA42)

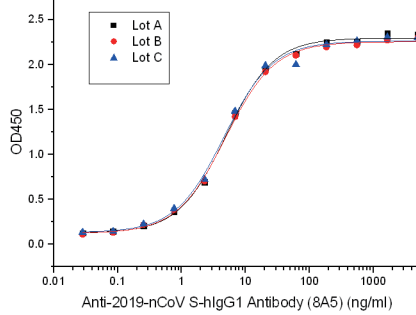


Affinity: 1.23 nM



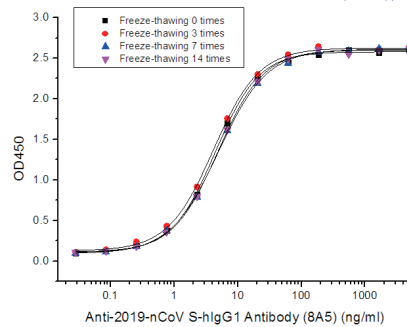
Anti-2019-nCoV S-hlgG1 Neutralizing Antibody (8A5) can block Human ACE-2-Avi-His (Cat#CY51) and 2019-nCoV S-trimer Protein (Cat#DRA49) interaction, the IC50 for this effect is 25ng/ml.

Bind with Recombinant 2019-nCoV S Protein RBD-SD1(C-6His)(Cat#DRA42)



Batch stability is confirmed by binding ability with 2019-nCoV S-RBD. The result showed no significant differences among these samples.

Bind with Recombinant 2019-nCoV S Protein RBD-SD1(C-6His)(Cat#DRA42)

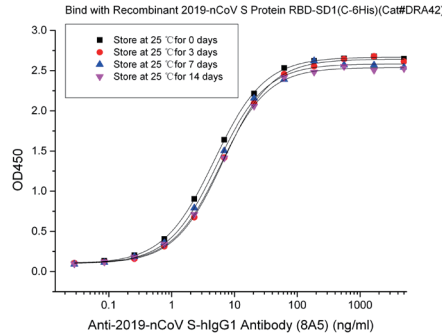
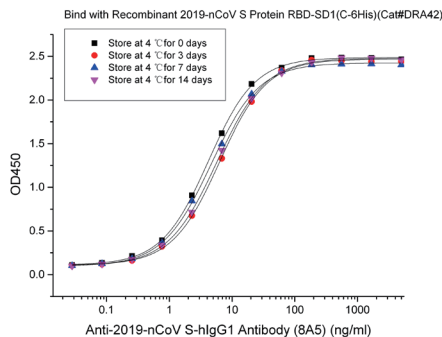


Stability is tested by binding ability with 2019-nCoV S-RBD after 14 times freeze-thaw . The results showed no significant differences among these samples.



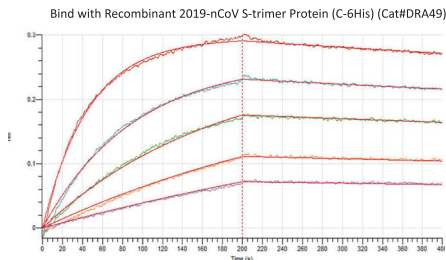
# 12 2019-nCoV Related Proteins

## Anti-2019-nCoV S-hlgG1 Neutralizing Antibody (8A5) (Cat#DA034)

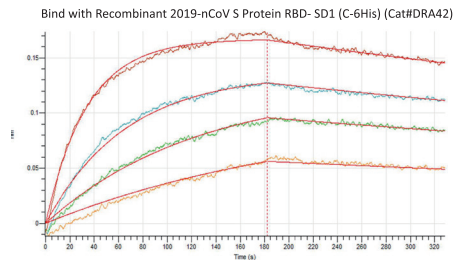


Stability is tested by binding ability with 2019-nCoV S-RBD after storage for 14 days at 4/25°C. The results showed no significant differences among these samples.

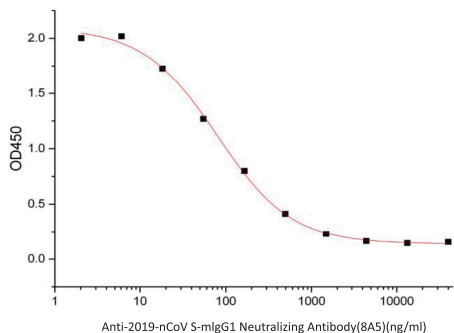
## Anti-2019-nCoV S-mIgG1 Neutralizing Antibody (8A5) (Cat#DA035)



Affinity: 0.49 nM



Affinity: 0.80 nM

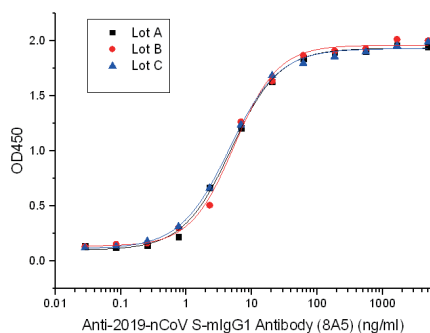


Anti-2019-nCoV S-mIgG1 Neutralizing Antibody (8A5) can block Human ACE-2-Avi-His (Cat#CY51) and 2019-nCoV S-trimer Protein (Cat#DRA49) interaction, the IC50 for this effect is 80ng/ml.

# 12 2019-nCoV Related Proteins

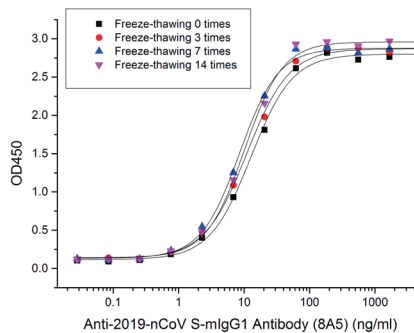
## Anti-2019-nCoV S-mlgG1 Neutralizing Antibody (8A5) (Cat#DA035)

Bind with Recombinant 2019-nCoV S Protein RBD-SD1(C-6His)(Cat#DRA42)



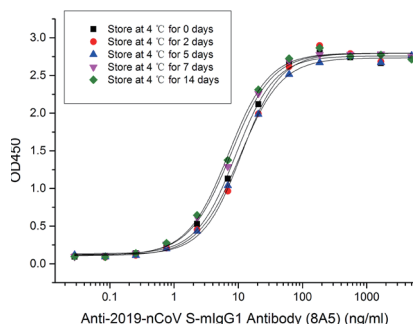
Batch stability is confirmed by binding ability with 2019-nCoV S-RBD. The result showed no significant differences among these samples.

Bind with Recombinant 2019-nCoV S Protein RBD-SD1(C-6His)(Cat#DRA42)



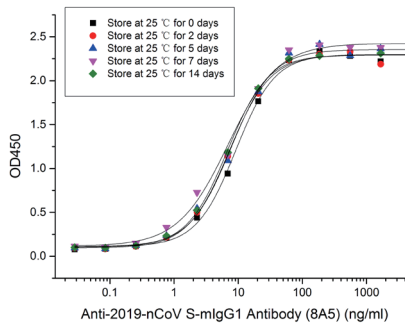
Stability is tested by binding ability with 2019-nCoV S-RBD after 14 times freeze-thaw. The results showed no significant differences among these samples.

Bind with Recombinant 2019-nCoV S Protein RBD-SD1(C-6His)(Cat#DRA42)



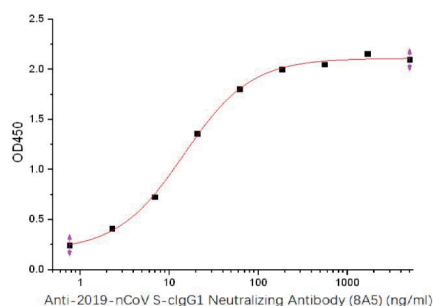
Stability is tested by binding ability with 2019-nCoV S-RBD after storage for 14 days at 4/25°C. The results showed no significant differences among these samples.

Bind with Recombinant 2019-nCoV S Protein RBD-SD1(C-6His)(Cat#DRA42)



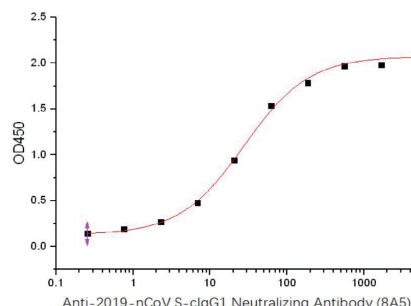
## Anti-2019-nCoV S-clgG1 Neutralizing Antibody (8A5) (Cat#DA036)

Bind with Recombinant 2019-nCoV S-trimer Protein (C-6His) (Cat#DRA49)



EC50: 14.7 ng/ml

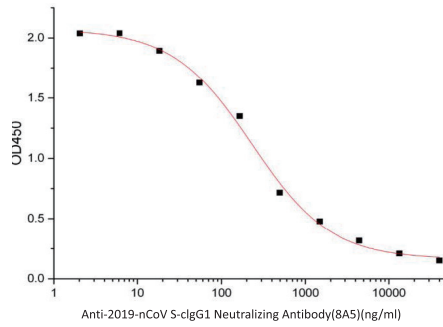
Bind with Recombinant 2019-nCoV S Protein RBD- SD1 (C-6His) (Cat#DRA42)



EC50: 27.7 ng/ml

## 12 2019-nCoV Related Proteins

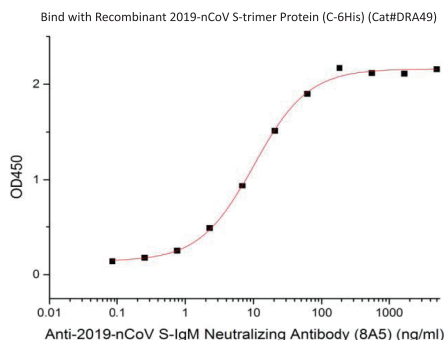
### Anti-2019-nCoV S-clgG1 Neutralizing Antibody (8A5) (Cat#DA036)



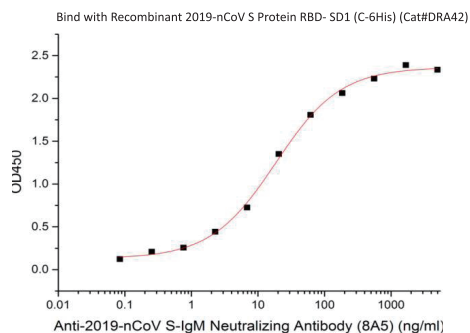
Anti-2019-nCoV S-mIgG1 Neutralizing Antibody (8A5) can block Human ACE-2-Avi-His (Cat#CY51) and 2019-nCoV S-trimer Protein (Cat#DRA49) interaction, the IC50 for this effect is 231ng/ml.

# 12 2019-nCoV Related Proteins

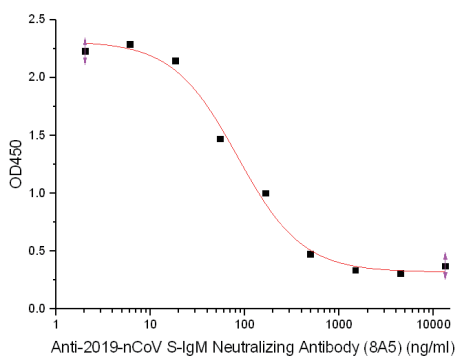
## Anti-2019-nCoV S-IgM Neutralizing Antibody (8A5) (Cat#DA039)



EC50: 10.1 ng/ml

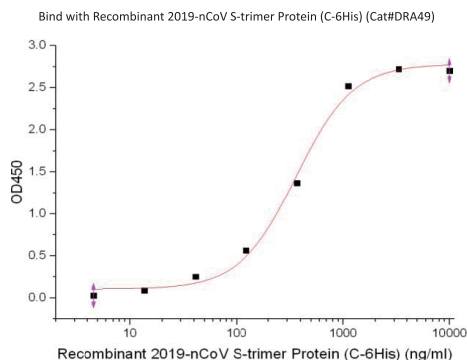


EC50: 18.5 ng/ml

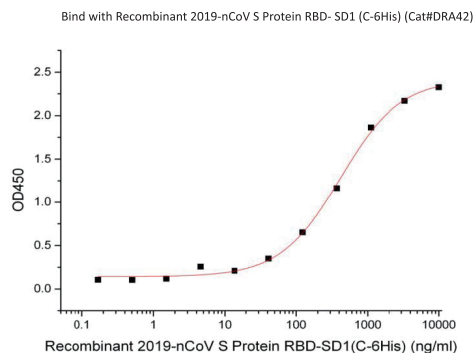


Anti-2019-nCoV S-IgM Neutralizing Antibody (8A5) can block Human ACE-2-Avi-His (Cat#CY51) and 2019-nCoV S-trimer Protein (Cat#DRA49) interaction, the IC50 for this effect is 83.9ng/ml.

## Anti-2019-nCoV S-IgA Neutralizing Antibody (8A5) (Cat#DA040)



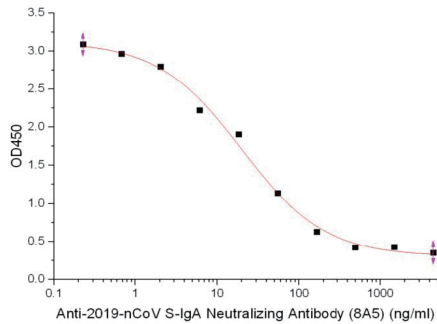
EC50: 397 ng/ml



EC50: 416.4 ng/ml

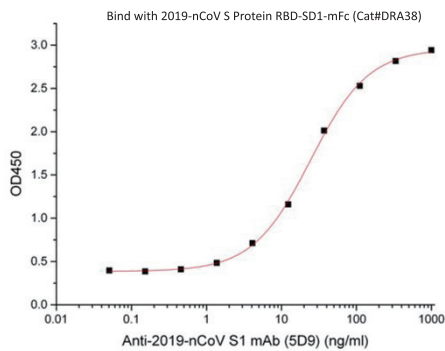
# 12 2019-nCoV Related Proteins

## Anti-2019-nCoV S-IgA Neutralizing Antibody (8A5) (Cat#DA040)

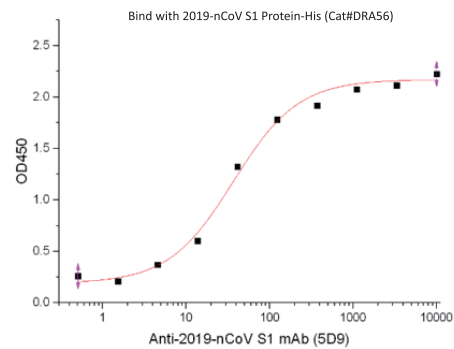


Anti-2019-nCoV S-mIgG1 Neutralizing Antibody (8A5) can block Human ACE-2-Avi-His (Cat#CY51) and 2019-nCoV S-trimer Protein (Cat#DRA49) interaction, the IC50 for this effect is 19.8ng/ml.

## Anti-2019-nCoV S1 mAb (5D9) (Cat#NC025)

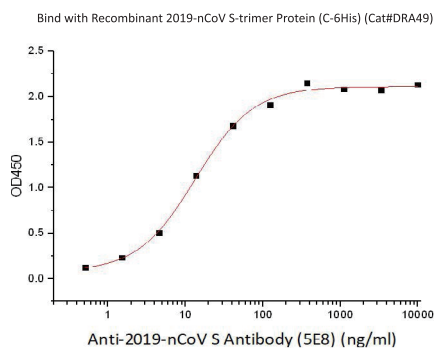


EC50: 24.5 ng/ml

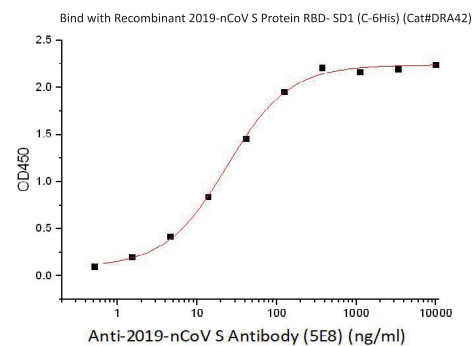


EC50: 36.9 ng/ml

## Anti-2019-nCoV S Antibody (5E8) (Cat#DA041)



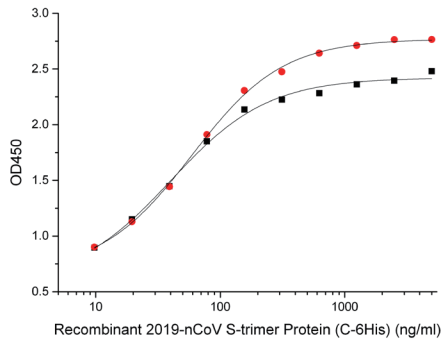
EC50: 13.5 ng/ml



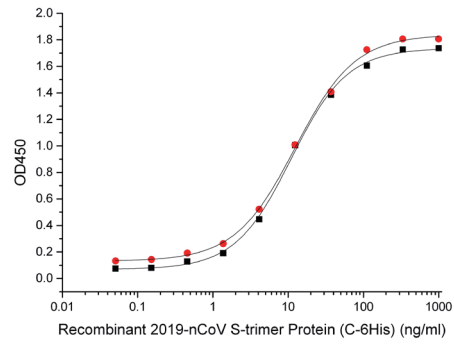
EC50: 23.8 ng/ml

# 12 2019-nCoV Related Proteins

## 2019-nCoV S Protein Antibody Pair Recommendations



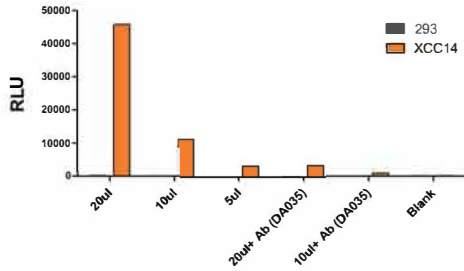
CAPTURE ANTIBODY	DETECTION ANTIBODY	ED50
■ DA035 (clone# 8A5)	DA041 (clone# 5E8)	11.6ng/ml
● DA035 (clone# 8A5)	DA042 (clone# 2B7)	59.1ng/ml



CAPTURE ANTIBODY	DETECTION ANTIBODY	ED50
■ DA042 (clone# 2B7)	DA043 (clone# 9B2)	10.94ng/ml
● DA043 (clone# 9B2)	DA042 (clone# 2B7)	12.33ng/ml

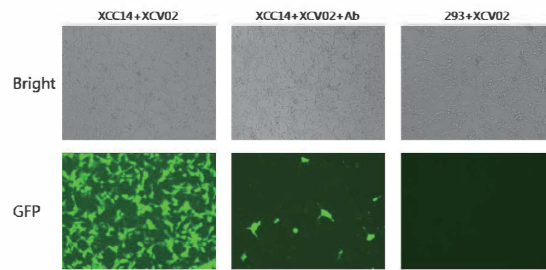
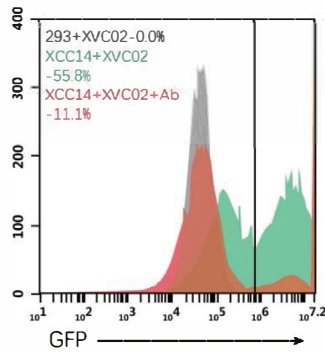
# 12 2019-nCoV Related Proteins

## SARS-CoV-2 (D614G) -Luciferase Pseudovirion(Cat#XCV01)



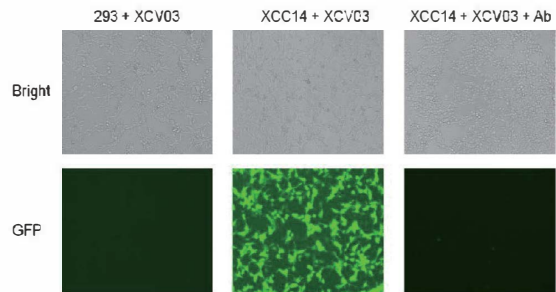
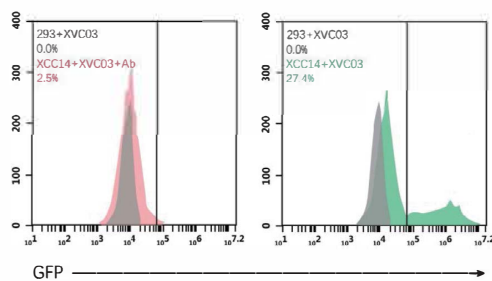
Luciferase values detection for pseudovirion infection and antibody neutralisation.

## SARS-CoV-2 (D614G) -GFP Pseudovirion(Cat#XCV02)



Flow cytometry and Fluorescence microscope detection for pseudovirion infection and antibody neutralisation.

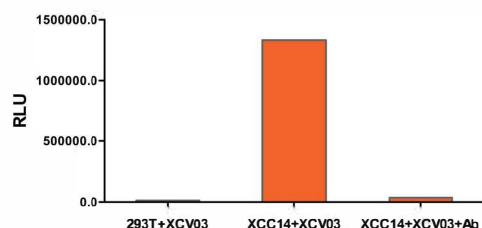
## SARS-CoV-2 (D614G) -GFP-Luc Pseudovirion(Cat#XCV03)



Flow cytometry and Fluorescence microscope detection for pseudovirion infection and antibody neutralisation.

## 12 2019-nCoV Related Proteins

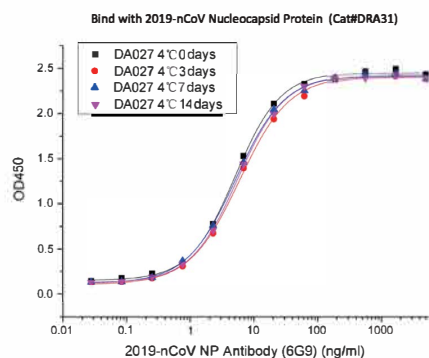
### SARS-CoV-2 (D614G) -GFP-Luc Pseudovirion(Cat#XCV03)



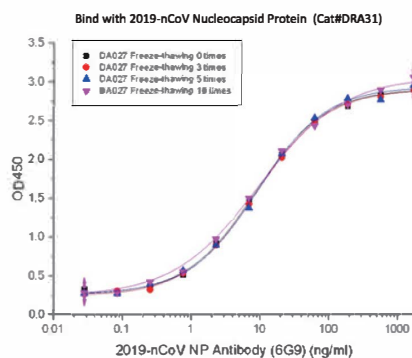
Luciferase values detection for pseudovirion infection and antibody neutralisation.

## 12 2019-nCoV Related Proteins

### 2019-nCoV NP Antibody (6G9) (Cat#DA027)



Stability is confirmed by binding ability with 2019-nCoV Nucleocapsid Protein (Cat#DRA31). The result showed that product bioactivity is no significant differences among these samples.

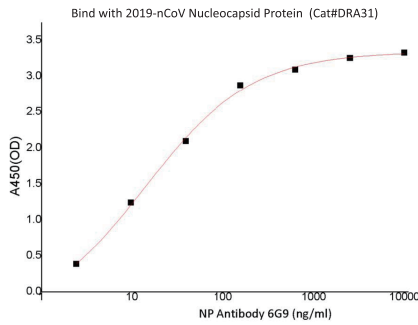


Freeze-thaw stability is tested by repeated freeze-thaw cycles. The result showed that product bioactivity is no significant differences after freeze-thawing 10 times.



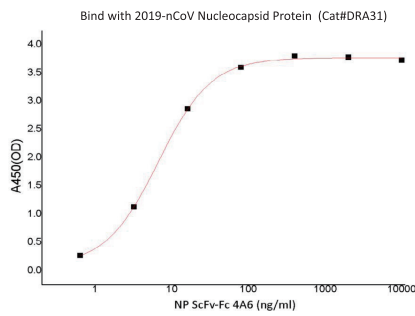
# 12 2019-nCoV Related Proteins

## 2019-nCoV NP Antibody (6G9) (Cat#DA027)

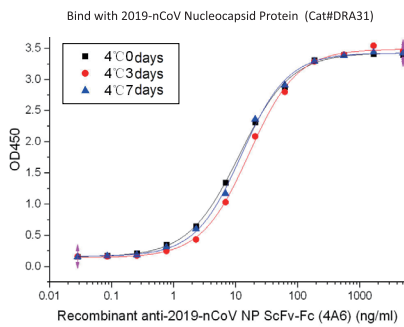


EC50: 5-30ng/ml

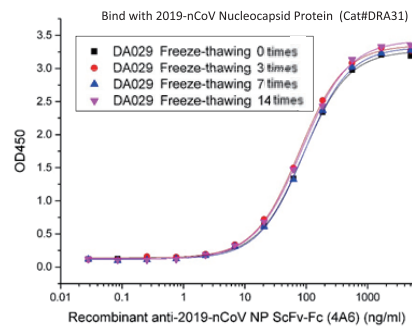
## Anti-2019-nCoV NP ScFv-Fc (4A6) (Cat#DA029)



EC50: 6.65 ng/ml



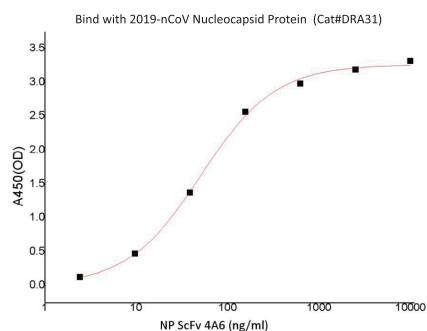
Stability is confirmed by binding ability with 2019-nCoV Nucleocapsid Protein (Cat#DRA31). The result showed that product bioactivity is no significant differences among these samples.



Freeze-thaw stability is tested by repeated freeze-thaw cycles. The result showed that product bioactivity is no significant differences after freeze-thawing 10 times.

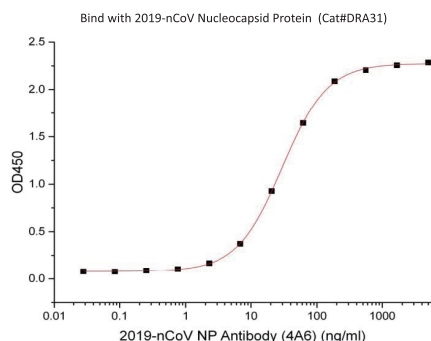
# 12 2019-nCoV Related Proteins

## Anti-2019-nCoV NP ScFv (4A6) (Cat#DA028)



EC50: 51.29 ng/ml

## 2019-nCoV NP Antibody (4A6) (Cat#DA049)



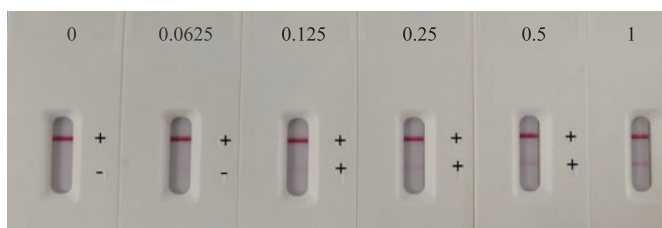
EC50: 29.8 ng/ml

## 2019-nCoV NP Antibody Pair Recommendations

Capture antibody: DA027(6G9)

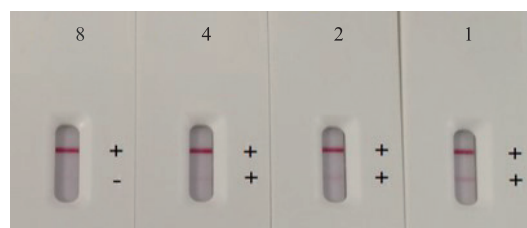
Detection antibody: DA044(9C2)

Concentration (ng/ml)	0	0.0625	0.125	0.25	0.5	1
Novoprotein	-	-	+	+	++	+++



Results of recombinant N protein test by novel coronavirus: 125pg/ml.

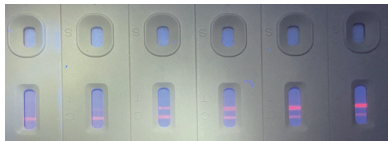
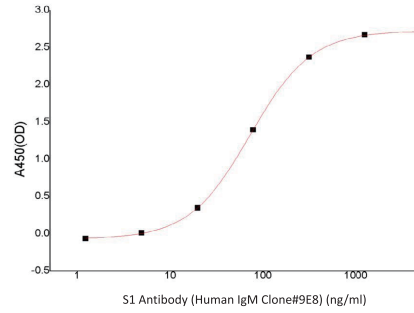
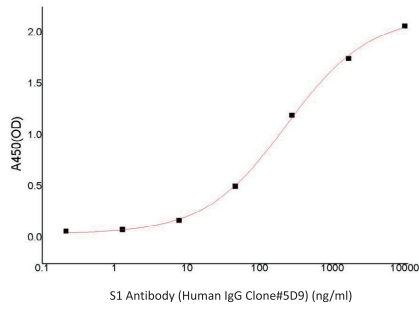
Dilution	Extraction Buffer	1:80000	1:40000	1:20000	1:10000
-	-	+	+	+	++



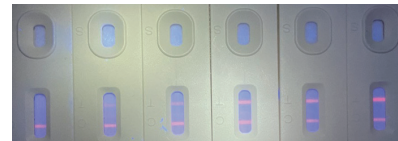
Results of a novel coronavirus culture test: 250 TCID50/ml.  
The concentration of the culture used for the test was 107 TCID50/ml.

# 12 2019-nCoV Related Proteins

## Anti-2019-nCoV Spike mAb (IgG&IgM Positive Control) (Cat#DA032)

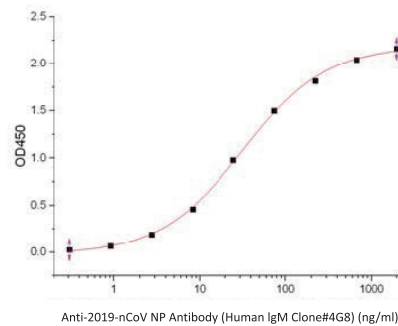
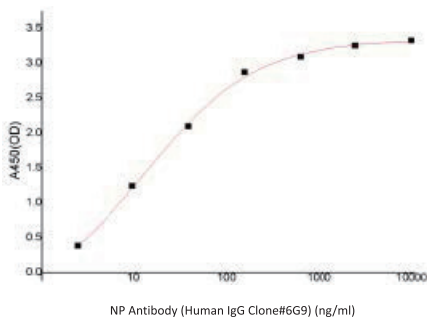


IgG



IgM

## Anti-2019-nCoV NP mAb (IgG&IgM Positive Control) (Cat#DA033)



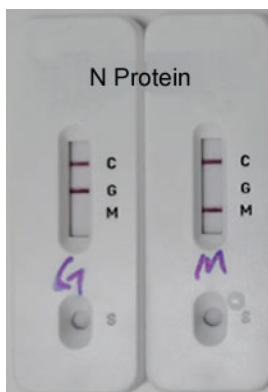
IgG



IgM

# 12 2019-nCoV Related Proteins

## Customers Results



Test results of enterprise A



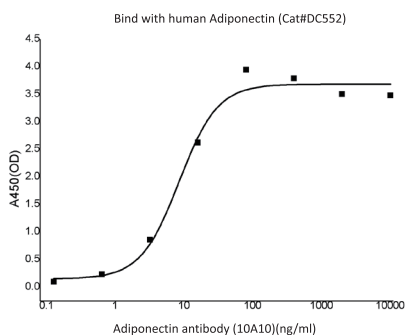
Cross reaction results of S protein antibody and N protein tested by enterprise B.

## 13 Other Antigens & Antibodies

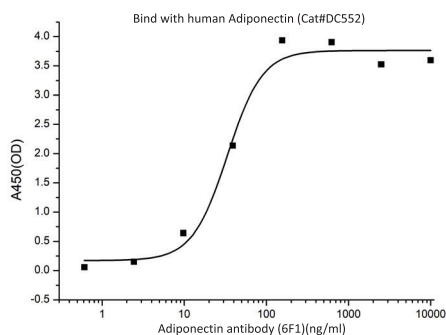
Product Name	Source	Cat No.
Leptin	<i>E. coli</i>	DC067
Adiponectin	Human Cells	DC552
Adiponectin antibody (6F1)	Human Cells	DA022
Adiponectin antibody (10A10)	Human Cells	DA024
Adiponectin antibody (13E9)	Human Cells	DA023
Annexin A1	<i>E. coli</i>	DC093
Thrombospondin-1	Human Cells	DC646
$\alpha$ 1-ACT	Human Cells	DC534
Fibronectin fragment	<i>E. coli</i>	DCH38
Platelet Factor IV	Human Cells	DCJ27
FABP1	<i>E. coli</i>	DC133
FABP2	<i>E. coli</i>	DC134
FABP4	<i>E. coli</i>	DC136
FABP5	<i>E. coli</i>	DC137
FABP6	<i>E. coli</i>	DC221
FABP7	<i>E. coli</i>	DC138
FABP8	<i>E. coli</i>	DC238
OPG	Human Cells	DC325
KLKB1	Human Cells	DCJ20
PTH	<i>E. coli</i>	DC010
TSH	Human Cells	DRA17
Lactoferrin	Human Cells	DC900
CFD	Human Cells	DCP27
sTR	Human Cells	DCU75
SHBG	Human Cells	DRA25

# 13 Other Antigens & Antibodies

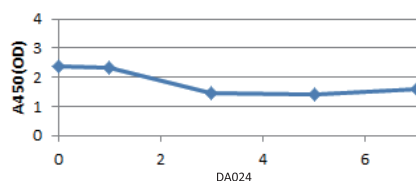
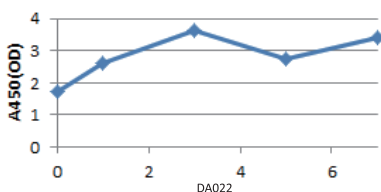
## Adiponectin Antibody (Cat#DA022/24)



EC50: 8.47 ng/ml

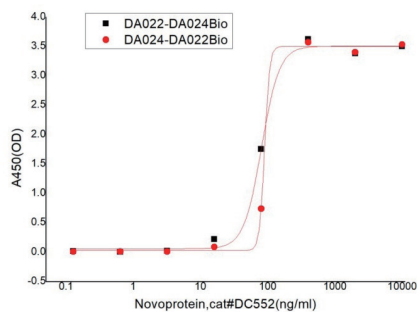


EC50: 13.37 ng/ml

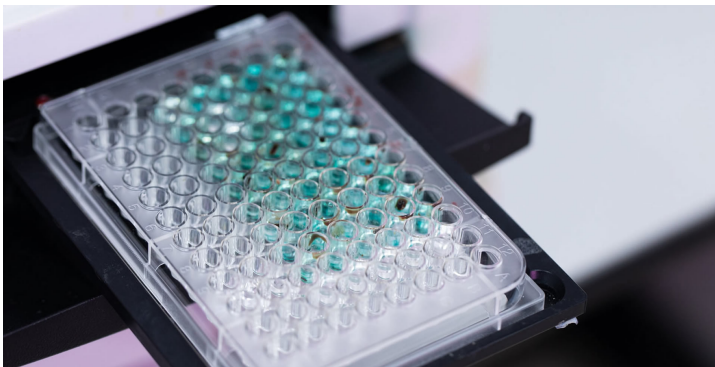


Stability is confirmed by binding ability with human Adiponectin (Cat#DC552). The result showed antibody bioactivity has no significant differences after placed at 37 °C for 7 days

## Pair Recommendations



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