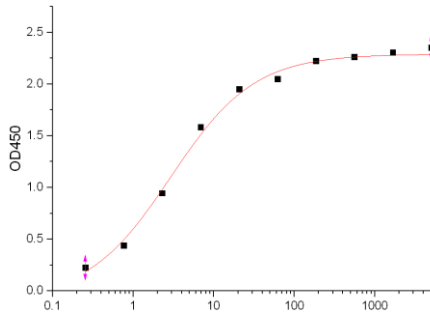
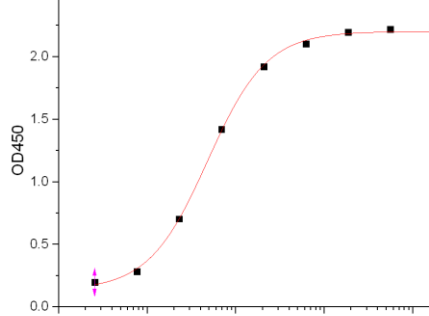


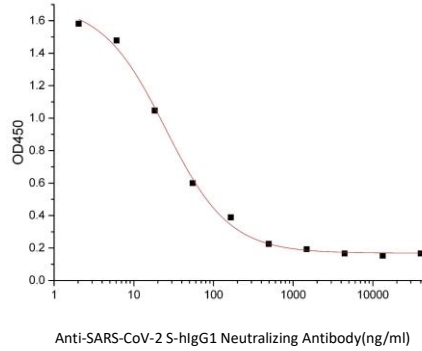
Anti-SARS-CoV-2 S-hlgG1 Neutralizing Antibody

Cat# A510001

Upon receipt, store at -20°C. Avoid repeated freeze.

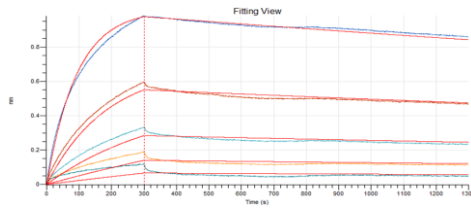
INFORMATION

Product Name	Anti-SARS-CoV-2 S-hlgG1 Neutralizing Antibody	
Cat. No.	A510001	
Size	1mg	
Host	Human	
Concentration	2.0 mg/ml (+/- 10 %)	
Application	Neutralization	
Conjugation	Unconjugated	
Storage buffer	PBS, pH 7.4	
Storage instruction	24 months from manufacturing at <-20 °C; 1 month, 2 to 8 °C under sterile conditions.	
Alias	coronavirus s1,coronavirus s2,coronavirus spike,cov spike,ncov RBD,ncov s1,ncov s2,ncov spike,novel coronavirus RBD,novel coronavirus s1,novel coronavirus s2,novel coronavirus spike,RBD,S1,s2,Spike RBD	
Image	Immunoreactivity	
	 <p style="text-align: center;">Anti-SARS-CoV-2 S-hlgG1 Neutralizing Antibody(ng/ml)</p> <p>Immobilized Recombinant SARS-CoV-2 S-trimer Protein at 5.0ug/ml (100uL/well) can bind Anti-SARS-CoV-2 S-hlgG1 Antibody, the EC50 is less than 2.9ng/ml.</p>	 <p style="text-align: center;">Anti-SARS-CoV-2 S-hlgG1 Neutralizing Antibody(ng/ml)</p> <p>Immobilized Recombinant SARS-CoV-2 S Protein RBD- SD1 at 5.0ug/ml (100uL/well) can bind Anti-SARS-CoV-2 S-hlgG1 Antibody, the EC50 is less than 4.8ng/ml.</p>

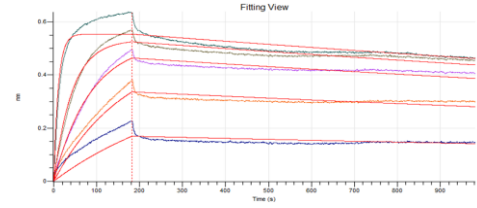


Anti-SARS-CoV-2 S-hlgG1 Antibody can block Human ACE-2-Avi-His and SARS-CoV-2 S-trimer Protein interaction, the IC50 for this effect is 25ng/ml.

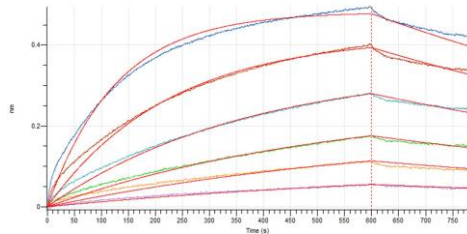
Bioactivity-BLI



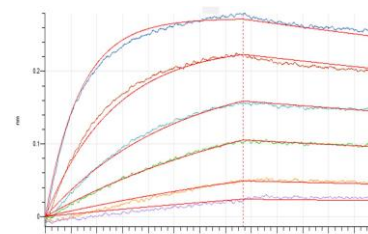
Loaded SARS-CoV-2 S-trimer Protein-His on HIS1K Biosensor, can bind Anti-SARS-CoV-2 S-hlgG1 Antibody with an affinity constant of 1.11 nM as determined in BLI assay.



Loaded 2019-SARS-CoV-2 S Protein RBD-mFc V2 on AMC Biosensor, can bind Anti-2019-SARS-CoV-2 S-hlgG1 Antibody with an affinity constant of 31.1 nM as determined in BLI assay.

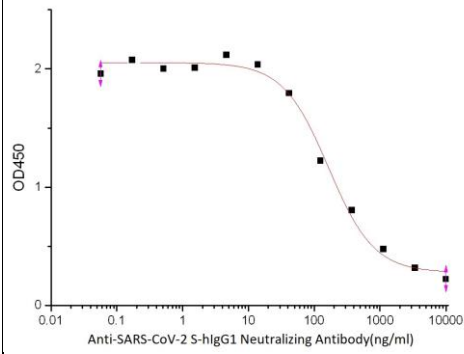


Loaded 2019-SARS-CoV-2 S Protein RBD V2-His on HIS1K Biosensor, can bind Anti-2019-SARS-CoV-2 S-hlgG1 Neutralizing Antibody-Fc with an affinity constant of 0.40 nM as determined in BLI assay.

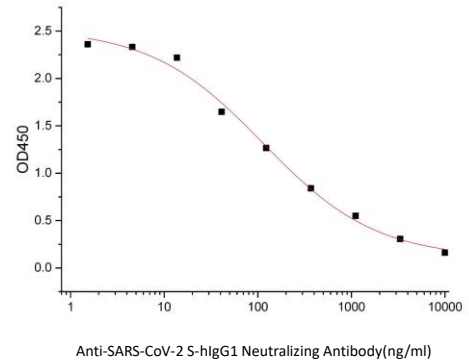


Loaded 2019-SARS-CoV-2 S Protein RBD-SD1-His on HIS1K Biosensor, can bind Anti-SARS-CoV-2 S-hlgG1 Neutralizing Antibody-Fc with an affinity constant of 1.23 nM as determined in BLI assay.

Bioactivity-ELISA



Anti-SARS-CoV-2 S-hlgG1 Antibody can block Human ACE-2-Avi-His and SARS-CoV-2 S Protein RBD-SD1-His interaction, the IC50 for this effect is 0.165 ug/ml.



Anti- SARS-CoV-2 S-hlgG1 Antibody can block Human ACE-2-Avi-His and SARS-CoV-2 S Protein RBD V2-His interaction, the IC50 for this effect is 0.115 ug/ml.

PRODUCT USE LIMITATION

These products are intended for research use only.