

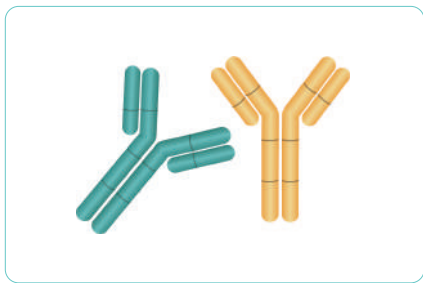
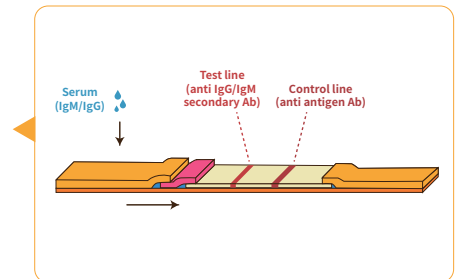
All Designed for Fighting SARS-CoV-2

Antigens & Matched Antibody Pairs for Diagnostics | Spike Protein Trimer | Pre-coupling Magnetic Beads | Kits

Antigens for COVID-19 diagnostics

■ Specially designed proteins for COVID-19 serological test development

- Authentic conformation and complete glycosylation
- Customized formulation and bulk order available
- High purity, high batch-to-batch consistency and validated bioactivity
- Help to improve the sensitivity and specificity of serological test



Matched antibody pairs for antigen detection

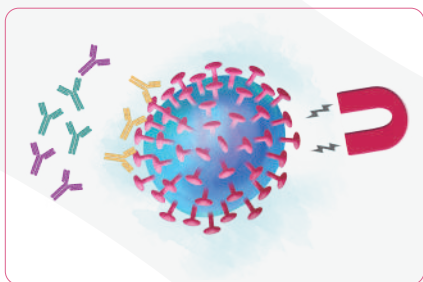
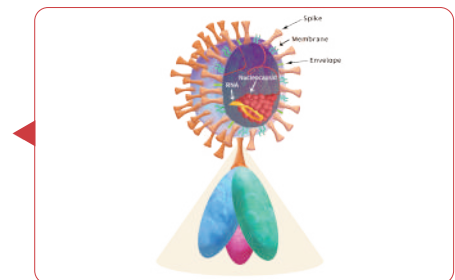
■ Matched S1/N antibody pairs for COVID-19 diagnostic kit development

- High sensitivity of 12 pg/mL (ELISA assay)
- Super affinity of 0.01 nM level (BLI assay)
- HEK293 expressed and high batch-to-batch consistency

Trimer structure of spike protein verified by SEC-MALS&NSEM

■ Developed by special technology

- Molecular weight and polymer structure verified by SEC-MALS&NSEM
- Bioactivity verified by SPR, BLI and ELISA
- Biologically function well



Pre-coupling magnetic beads

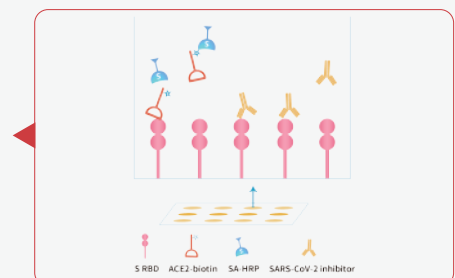
■ S1 and RBD protein magnetic beads for the neutralizing antibody screening

- High stability, high-effective target capture and minimal non-specific binding
- Ready to use without activation, convenient and efficient
- Greatly save your time and hassle

SARS-CoV-2 kit products for research

■ Inhibitor & neutralizing antibody screening kits, antibody titer assay kits and pre-coated plates for SARS-CoV-2 research

- Expertise in protein biotinylation, fast and easy-to-use
- High throughput, high flexibility, high reproducibility, high sensitivity and high stability
- Facilitate the identification and characterization of SARS-CoV-2 inhibitors

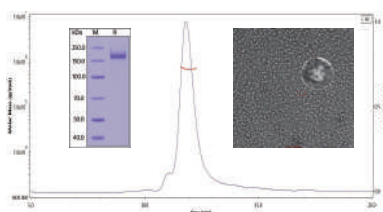


SPR/BLI/ELISA Protocols Offered for free

■ Cat.No. [SPN-C52H8](#)

Product: SARS-CoV-2 (COVID-19) S protein (R683A, R685A), His Tag, active trimer (MALS verified)

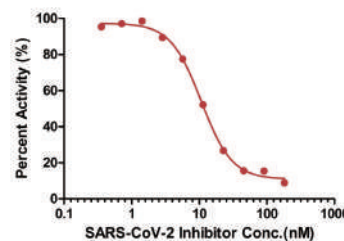
The purity, molecular weight and polymer form were verified by SDS-PAGE, SEC-MALS & NSEM.



■ Cat.No. [EP-105](#)

Product: SARS-CoV-2 Inhibitor Screening Kit

Inhibition of Human ACE2 [Biotinylated] :SARS-CoV-2 S protein RBD Binding by SARS-CoV-2 inhibitor.

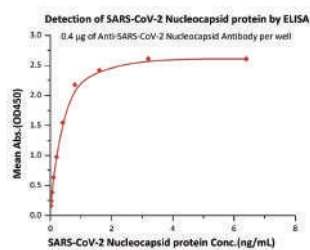


Serial dilutions of SARS-CoV-2 inhibitor (1:2 serial dilutions, from 20 µg/mL to 0.039 µg/mL (180 nM to 0.35 nM)) was added into Biotinylated ACE2: SARS-CoV-2 S protein RBD binding reactions. The assay was performed according to the above described protocol. Background was subtracted from data points prior to log transformation and curve fitting.

■ Cat.No. [NUN-S46](#), [NUN-S47](#)

Product: Anti-SARS-CoV-2 Nucleocapsid Antibody, Mouse MAb

High sensitivity of 12 pg/mL (ELISA assay)

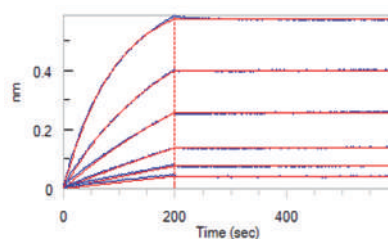


Immobilized Anti- SARS-CoV-2 Nucleocapsid antibody, mouse Mab (Cat. No. [NUN-S46](#)) at 4 µg/mL, add increasing concentrations of SARS-CoV-2 Nucleocapsid protein and then add Biotinylated Anti- SARS-CoV-2 Nucleocapsid antibody, mouse Mab (Cat. No. [NUN-S47](#)). Detection was performed using HRP-conjugated streptavidin with sensitivity of 12 pg/mL.

■ Cat.No. [NUN-S47](#)

Product: Anti-SARS-CoV-2 Nucleocapsid Antibody, Mouse MAb

Super affinity of 0.01 nM level(BLI assay)



Anti-SARS-CoV-2 Nucleocapsid Antibody, Mouse MAB(Cat. No. [NUN-S47](#)) can bind SARS-CoV-2 Nucleocapsid Protein (Cat. No. [NUN-C5227](#)) with an affinity constant of 24.7pM determined in BLI assay (ForteBio Octet Red96e).

Scan the QR code for more information



Selected product list

Category	Molecule	Cat. No.	Species	Product Description
Proteins	S protein	SPN-C52H8	SARS-CoV-2	SARS-CoV-2 (COVID-19) S protein (R683A, R685A), His Tag, active trimer (MALS verified)
	S1 protein	S1N-C82E8	SARS-CoV-2	Biotinylated SARS-CoV-2 (COVID-19) S1 protein, His,Avitag™ (MALS verified)
	S1 protein	S1N-C52H4	SARS-CoV-2	SARS-CoV-2 (COVID-19) S1 protein, His Tag (MALS verified)
	S2 protein	S2N-C52H5	SARS-CoV-2	SARS-CoV-2 (COVID-19) S2 protein, His Tag
	S protein RBD	SPD-C82E9	SARS-CoV-2	Biotinylated SARS-CoV-2 (COVID-19) S protein RBD, His,Avitag™ (MALS verified)
	S protein RBD	SPD-C52H3	SARS-CoV-2	SARS-CoV-2 (COVID-19) S protein RBD, His Tag (MALS verified)
	S protein RBD	SPD-C5259	SARS-CoV-2	SARS-CoV-2 (COVID-19) S protein RBD, Mouse IgG2a Fc Tag
Antibodies	Nucleocapsid protein	NUN-C51H9	SARS-CoV-2	SARS-CoV-2 (COVID-19) Nucleocapsid protein, His Tag
	S1 protein	S1N-M122	Mouse	Anti-SARS-CoV-2 Spike S1 Antibody, Chimeric MAB
	Antibody Pair	S1N-M130	Mouse	Anti-SARS-CoV-2 Spike S1 Antibody, Chimeric MAB
	Nucleocapsid protein	NUN-S46	Mouse	Anti-SARS-CoV-2 Nucleocapsid Antibody, Mouse MAB
	Antibody Pair	NUN-S47	Mouse	Anti-SARS-CoV-2 Nucleocapsid Antibody, Mouse MAB
Kits	S protein RBD	SAD-S35	Human	Anti-SARS-CoV-2 neutralizing antibody, Human IgG1
	Nucleocapsid protein	NUN-S41	Human	Anti-SARS-CoV-2 Nucleocapsid Antibody, Human IgG1
	S1 protein	TAS-K001	SARS-CoV-2	Anti-SARS-CoV-2 Antibody IgG Titer Serologic Assay kit (Spike protein S1)
	S protein RBD	TAS-K002	SARS-CoV-2	Anti-SARS-CoV-2 Antibody IgG Titer Serologic Assay kit (Spike protein RBD)
Beads	S protein RBD	TAS-K003	SARS-CoV-2	Anti-SARS-CoV-2 Neutralizing Antibody Titer Serologic Assay kit
	S protein RBD	EP-105	SARS-CoV-2	SARS-CoV-2 Inhibitor Screening Kit
	S1 protein	MBS-K001	SARS-CoV-2	SARS-CoV-2 Spike S1 protein-coupled magnetic beads
	S protein RBD	MBS-K002	SARS-CoV-2	SARS-CoV-2 Spike protein RBD-coupled magnetic beads

*For the complete product list, please go to www.acrobiosystems.com.

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