

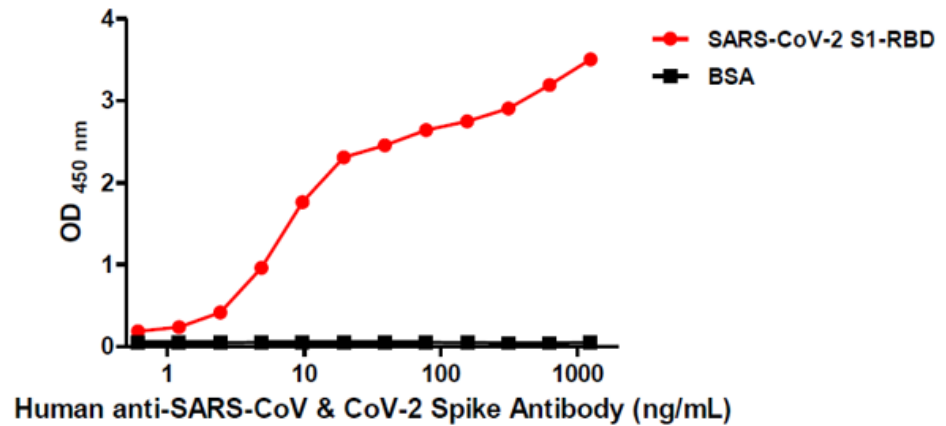
Catalog number	C10022-bulk / C10022-10UG / C1022-50UG	
Package	Customized package / 10 µg / 50 µg	
Description	<p>Human anti-SARS-CoV-2 Spike Antibody [CR3022] recognize human SARS-CoV and CoV-2 Spike protein with high affinity. The binding site is amino acids 318-510 (RBD, Receptor Binding Domain) in the S1 subunit of the Spike protein. Coronavirus Spike protein conducts the process that interacting with cellular receptor and membrane fusion to allow virus entering into target cells. Spike protein also can be used to define specificity of the virus, and be used as key target for vaccine design. The glycosylated Spike protein can be detected in the virus-infected cell and cell culture medium. The RBD is responsible for recognizing the cell surface receptor.</p>	
Product type	Recombinant Human IgA, clone CR3022	
Concentration	1 mg/mL	
Reactivity	SARS-CoV & CoV-2	
Conjugation	N/A	
Isotype	IgA	
Purity	>95% (SDS-PAGE)	
Form	Liquid	
Storage buffer	Phosphate Buffered Saline, pH 7.4.	
Storage	<p>Store at 4°C for six months. Briefly centrifuge vials before opening. Antibody should be used and stored under sterile condition.</p>	
Application	ELISA, NTRL, SPR, Crystallography	
Application Note	N/A	
Manual	Application	Dilution factor
	ELISA	1:5000-20000
	NTRL	Assay dependent
	SPR	Assay dependent
	Crystallography	Assay dependent

Note: Application concentration may be various determined by the end user.

References

1. ter Meulen J, van den Brink EN, Poon LL, et al. Human monoclonal antibody combination against SARS coronavirus: synergy and coverage of escape mut. PLoS Med. 2006;3(7): e237.
 2. Yuan M, Wu NC, Zhu X, et al. A highly conserved cryptic epitope in the receptor binding domains of SARS-CoV-2 and SARS-CoV. Science. 2020;eabb7269.
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Data



ELISA titration of Human anti-SARS-CoV & CoV-2 Spike Antibody (IgA)

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