

PRODUCT INFORMATION

**Human anti-SARS-CoV & CoV-2 Spike Antibody (IgG),
clone CR3022**

v. 230201

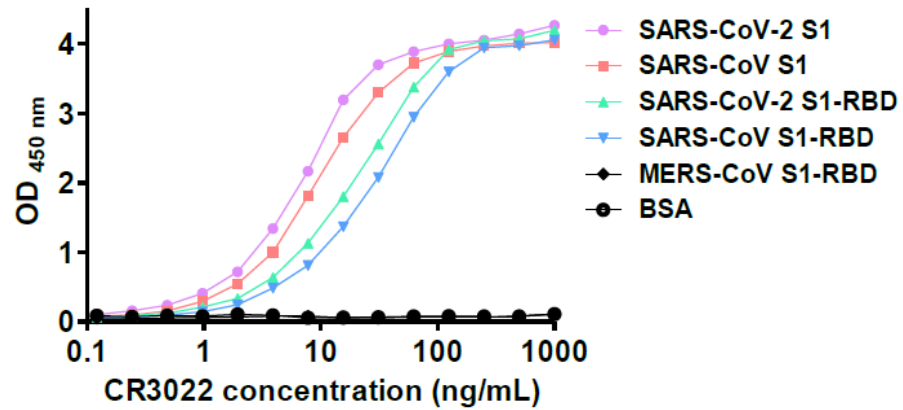
Catalog number	C10005-bulk / C10005-100UG	
Package	Customized package / 100 µg	
Description	<p>Human anti-SARS-CoV-2 Spike antibody [CR3022] recognize human SARS-CoV and CoV-2 Spike protein with high affinity. The binding site is amino acids 318-510 (RBD, Receptor Binding Domain) in the S1 subunit of 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 IgG, clone CR3022	
Concentration	1 mg/mL	
Reactivity	SARS-CoV & CoV-2	
Conjugation	N/A	
Isotype	IgG ₁	
Purity	>98% (SDS-PAGE)	
Form	Liquid	
Storage buffer	Phosphate Buffered Saline pH 7.4.	
Storage	<p>Store at 4°C for two weeks. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.</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 mutants. PLoS Med. 2006;3(7): e237.
 2. Yuan M, Wu NC, Zhu X, et al. A highly conserved cryptic epitope 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 (IgG), clone CR3022

For Research Use Only.