

## PRODUCT INFORMATION

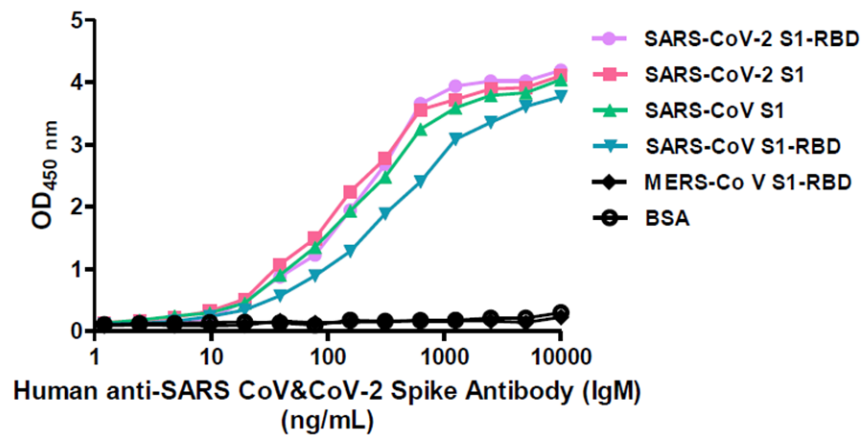
**Human anti-SARS-CoV & CoV-2 Spike Antibody (IgM),  
clone CR3022**

v. 230201

<b>Catalog number</b>	C10010-bulk / C10010-50UG	
<b>Package</b>	Customized package / 50 µg	
<b>Description</b>	<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>	
<b>Product type</b>	Recombinant Human IgM, clone CR3022	
<b>Concentration</b>	0.5 mg/mL	
<b>Reactivity</b>	SARS-CoV & CoV-2	
<b>Conjugation</b>	N/A	
<b>Isotype</b>	IgM	
<b>Form</b>	Liquid	
<b>Storage buffer</b>	Phosphate Buffered Saline pH 7.4.	
<b>Storage</b>	Store at 4°C for six months.	
<b>Application</b>	ELISA, NTRL, SPR, Crystallography	
<b>Application Note</b>	N/A	
<b>Manual</b>	<b>Application</b>	<b>Dilution factor</b>
	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.

**Data**


ELISA titration of Human anti-SARS-CoV & CoV-2 Spike Antibody (IgM), clone CR3022

*For Research Use Only.*