

**ARG66902**  
**anti-SARS-CoV / SARS-CoV-2 Spike protein (RBD) antibody [CR3022]**Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Recombinant Human Monoclonal antibody [CR3022] recognizes SARS-CoV / SARS-CoV-2 Spike protein (RBD)
Tested Reactivity	Virus
Tested Application	ELISA, ICC/IF, Neut
Host	Human
Clonality	Monoclonal
Clone	CR3022
Isotype	IgM
Target Name	SARS-CoV / SARS-CoV-2 Spike protein (RBD)
Species	Virus
Conjugation	Un-conjugated

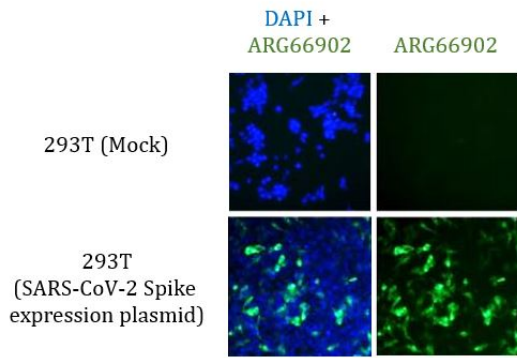
### Application Instructions

Application table	Application	Dilution
	ELISA	1:5000 - 1:20000
	ICC/IF	1:500
	Neut	Assay-dependent

**Application Note** Neutralizing: Clone CR3022 is the first anti-SARS-CoV neutralizing antibody to cross-react with SARS-CoV-2. Structural modeling has confirmed that CR3022 targets a conserved epitope between SARS-CoV and SARS-CoV2 in the RBD domain (PMID: 32245784, 32065055).  
\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

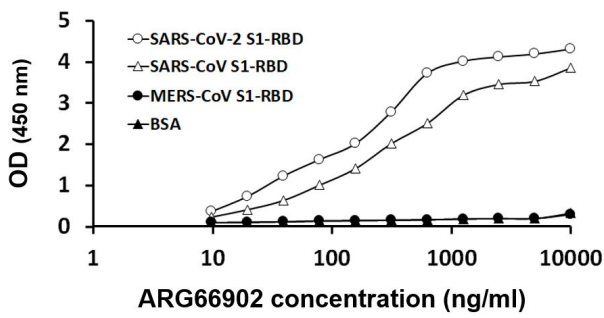
### Properties

Form	Liquid
Purification	Purified from antibody expressing HEK293 cell culture medium.
Buffer	PBS (pH 7.4)
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.



ARG66902 anti-SARS-CoV / SARS-CoV-2 Spike protein (RBD) antibody [CR3022] ICC/IF image

Immunofluorescence: 293T cells were transfected with Mock or SARS-CoV-2 Spike expression plasmid. Cells were stained with ARG66902 anti-SARS-CoV / SARS-CoV-2 Spike protein (RBD) antibody [CR3022] (green). DAPI (blue) for nuclear staining.



ARG66902 anti-SARS-CoV / SARS-CoV-2 Spike protein (RBD) antibody [CR3022] ELISA image

ELISA: Titration of ARG66902 anti-SARS-CoV / SARS-CoV-2 Spike protein (RBD) antibody [CR3022].

RBD = Receptor binding domain