

Product Data Sheet

Anti-COVID-19 S-IgM Neutralizing Antibody

Catalog #	Source	Reactivity	Applications
CPA9973	Human Cells	COVID-19	E
Description	Human monoclonal neutralizing antibody to COVID-19 S protein		
Immunogen			
Purification	>95%, cultured in vitro under conditions free from animal derived components.		
Specificity	Recognizes COVID-19 S Protein, COVID-19 S-RBD Protein and block ACE-2 receptor binding.		
Clonality	Monoclonal		
Conjugation			
Form	1 mg/ml. Human IgM. Liquid in 0.01M Phosphate Buffered Saline, pH 7.4.		
Dilution	ELISA: Use at an assay dependent dilution.		
Gene Symbol	S		
Alternative Names	Spike glycoprotein; S glycoprotein; E2; Peplomer protein		
Entrez Gene	43740568 (Human)		
SwissProt	P0DTC2 (Human)		
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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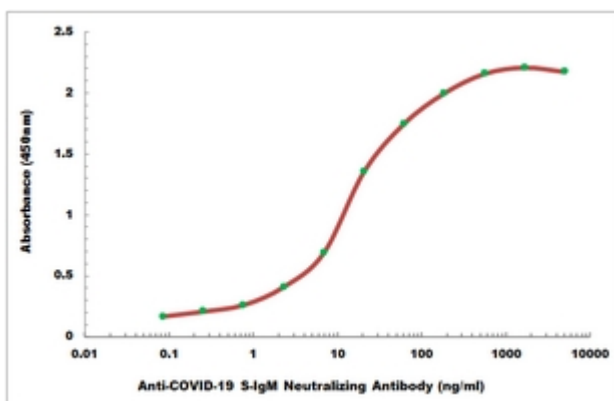
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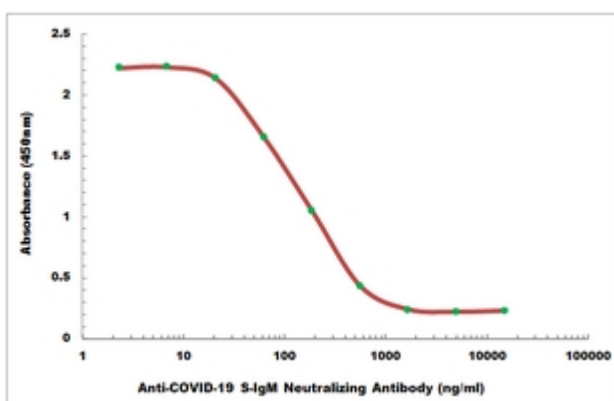
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Immobilized Recombinant COVID-19 S Protein RBD-SD1 (Cat#CRP3097) at 5 ug/ml can bind Anti-COVID-19 S-IgM Neutralizing Antibody, the EC50 is less than 18.5 ng/ml.



Anti-COVID-19 S-IgM Neutralizing Antibody can block Recombinant Human ACE2 Protein (Cat#CRP1003) and Recombinant COVID-19 S Protein RBD-SD1 (Cat#CRP3097) interaction, the IC50 for this effect is 83.9 ng/ml.

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