

# Product Data Sheet

## Anti-COVID-19 S-mIgG1 Neutralizing Antibody

Catalog #	Source	Reactivity	Applications
CPA9971	Mouse	COVID-19	E
<b>Description</b>	Mouse monoclonal neutralizing antibody to COVID-19 S protein		
<b>Immunogen</b>			
<b>Purification</b>	>95%, cultured in vitro under conditions free from animal derived components.		
<b>Specificity</b>	Recognizes COVID-19 S Protein, COVID-19 S-RBD Protein and block ACE-2 receptor binding.		
<b>Clonality</b>	Monoclonal		
<b>Conjugation</b>			
<b>Form</b>	1 mg/ml. Human IgG1. Liquid in 0.01M Phosphate Buffered Saline, pH 7.4.		
<b>Dilution</b>	ELISA: Use at an assay dependent dilution.		
<b>Gene Symbol</b>	S		
<b>Alternative Names</b>	Spike glycoprotein; S glycoprotein; E2; Peplomer protein		
<b>Entrez Gene</b>	43740568 (Human)		
<b>SwissProt</b>	P0DTC2 (Human)		
<b>Storage/Stability</b>	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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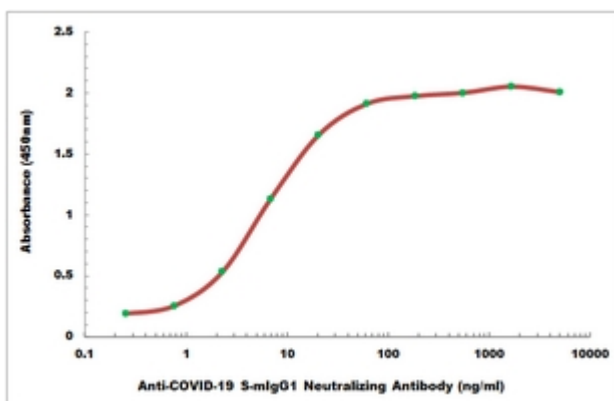
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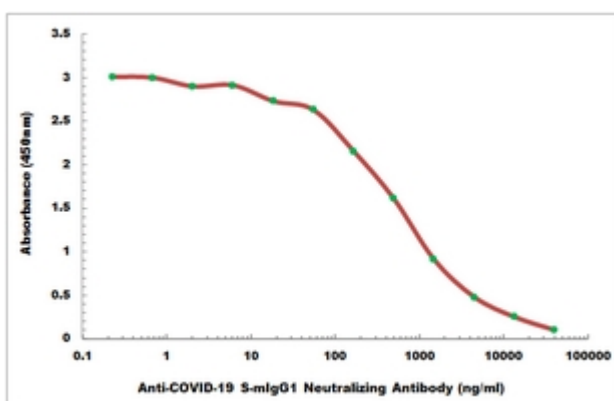
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## Product Data Sheet



Immobilized Recombinant COVID-19 S Protein RBD-SD1 (Cat#CRP3097) at 5 ug/ml can bind Anti-COVID-19 S-mIgG1 Neutralizing Antibody, the EC50 is less than 6.5 ng/ml.



Anti-COVID-19 S-mIgG1 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 560 ng/ml.

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