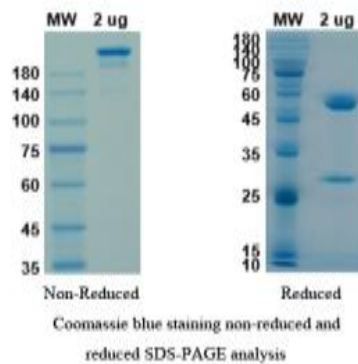


## S

### Human Anti-SARS-CoV-2 Spike S1 (Clone B38) mAb

<b>Catalog No.</b>	CPC522A CPC522B	<b>Quantity:</b>	50 µg 100 µg
<b>Alternate Names:</b>	Spike glycoprotein, Spike S1 subunit, S glycoprotein		
<b>Description:</b>	<p>Recombinant Human anti-SARS-CoV-2 Spike S1, Clone B38 is expressed in XtenCHO. Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is an enveloped, positive-sense, single-stranded RNA virus that causes coronavirus disease 2019 (COVID-19). The structural proteins of SARS-CoV-2 include the envelope protein (E), spike or surface glycoprotein (S), membrane protein (M) and the nucleocapsid protein (N). The spike glycoprotein is found on the outside of the virus particle and gives coronavirus viruses their crown-like appearance. Spike glycoprotein is cleaved into the following 3 chains, Spike protein S1, Spike protein S2, Spike protein S2'. Spike protein S1 attaches the virion to the cell membrane by interacting with host receptor, initiating the infection. Binding to human ACE2 receptor and internalization of the virus into the endosomes of the host cell induces conformational changes in the Spike glycoprotein. Surface glycoprotein is an important target for vaccine development, antibody therapies and diagnostic antigen-based tests.</p>		
<b>UniProt ID:</b>	P0DTC2		
<b>Immunogen:</b>	Recombinant SARS-CoV-2 Spike S1 protein		
<b>Specificity:</b>	Recognizes SARS-CoV-2 Spike S1 protein		
<b>Source:</b>	XtenCHO		
<b>Isotype:</b>	Human IgG1		
<b>Clone:</b>	B38		
<b>Concentration:</b>	1.0 mg/ml		
<b>Formulation:</b>	Sterile-filtered PBS, pH 7.5 preservative free.		
<b>Purification:</b>	Protein A affinity chromatography		
<b>Applications:</b>	ELISA: 1:5,000 - 1:10,000 Western blot: suggested dilution 1:1,000 - 1:2,000		
<b>Storage &amp; Stability:</b>	Stable at 2-8°C for 1 week or for up to 1 year at -20°C to -80°C. It is recommended to prepare working aliquots of undiluted product and store -20°C to -80°C.		





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**Cell Sciences®**  
65 Parker Street  
Unit 11  
Newburyport, MA 01950

Toll Free: 888-769-1246  
Phone: 978-572-1070  
Fax: 978-992-0298

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
Website: [www.cellsciences.com](http://www.cellsciences.com)