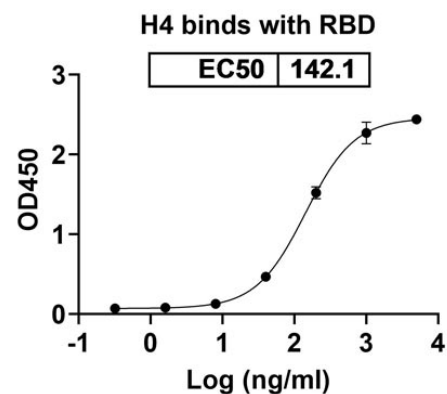
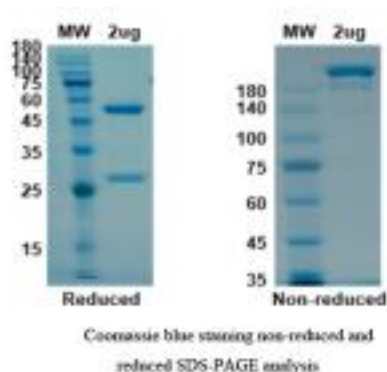


S

Human Anti-SARS-CoV-2 Spike RBD (H4) Neutralizing mAb

Catalog No.	CPC521A CPC521B	Quantity:	50 µg 100 µg
Alternate Names:	Spike glycoprotein, Spike S1 subunit, S glycoprotein, H4		
Description:	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.		
UniProt ID:	P0DTC2		
Origin:	Isolated from convalescent patient infected with SARS-CoV-2		
Specificity:	Recognizes SARS-CoV-2 Spike S1 protein, blocked the binding between the virus S protein RBD and the cellular receptor ACE2.		
Bioactivity:	EC ₅₀ = 142.1 ng/ml, binding with SARS-CoV-2 S-RBD		
Source:	XtenCHO		
Isotype:	Human IgG1		
Clone:	H4		
Concentration:	≥ 1.0 mg/ml, lot specific		
Formulation:	Sterile-filtered PBS, pH 7.5 preservative free.		
Purification:	Protein A affinity chromatography		
Applications:	Neutralizing ELISA: 1:5,000 - 1:10,000 Western blot: suggested dilution 1:1,000 - 1:2,000		
Storage & Stability:	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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