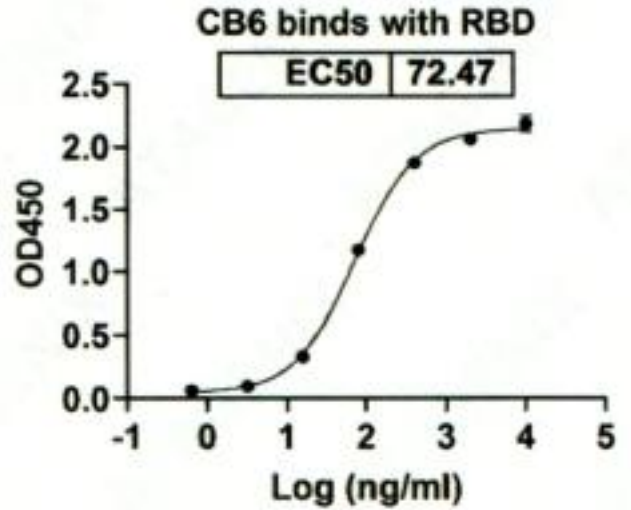
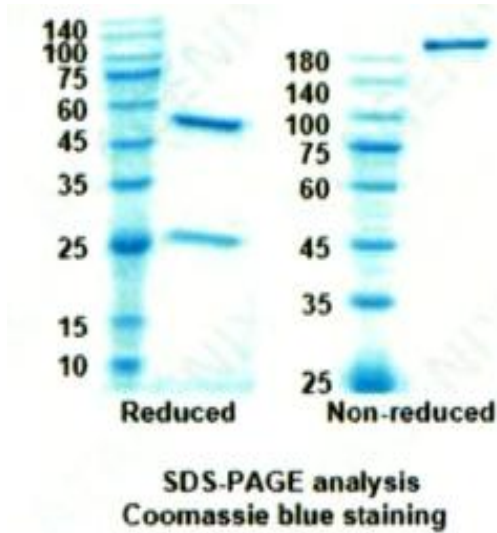


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Research Grade Etesevimab

Catalog No.	DVV00306A DVV00306B	Quantity:	100 µg 1.0 mg
Alternate Names:	CB-6, JS-016, LY3832479, LY-CoV-016, CAS: 2423948-94-9		
Description:	<p>Recombinant Human anti-SARS-CoV-2 Spike Protein Receptor Binding domain, Etesevimab (Clone CB6, JS016), is expressed in XtenCHO. The monoclonal antibody JS016, was obtained from a B lymphocyte of a COVID-19 survivor, and binds with high-affinity to the receptor-binding domain within the S1 subunit of the SARS-CoV-2 spike protein, thus blocking the binding between the virus and the cell surface receptor angiotensin-converting enzyme 2 (ACE2).</p> <p>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>		
UniProt ID (target):	P0DTC2		
Origin:	Derived from a B lymphocyte of a convalescing COVID-19 patient Sequence does not include the LALA mutation to the Fc portion of CB6 antibody.		
Specificity:	Recognizes SARS-CoV-2 Spike-RBD protein		
Bioactivity:	EC ₅₀ = 72.47 ng/ml with SARS-CoV-2 Spike-RBD		
Source:	XtenCHO		
Isotype:	Human IgG1 kappa		
Clone:	CB6, JS016, LY-CoV-016, LY3832479		
Concentration:	1.0 mg/ml, lot specific		
Formulation:	Sterile-filtered 0.01M PBS, pH 7.4		
Purification:	Protein A affinity chromatography		
Endotoxin:	0.01 EU/µg by LAL analysis		
Applications:	Neutralizing, Functional studies		
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.		



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

