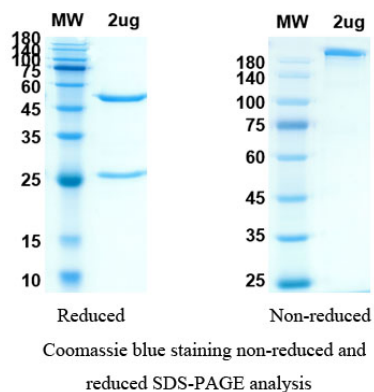


**S**

## Research Grade Bamlanivimab

<b>Catalog No.</b>	DVV00303A DVV00303B	<b>Quantity:</b>	100 µg 1.0 mg
<b>Alternate Names:</b>	LY-3819253, LY-CoV555, LY3819253, CAS: 2423943-37-5		
<b>Description:</b>	<p>Recombinant Human anti-SARS-CoV-2 Spike Protein Receptor Binding Domain, Bamlanivimab Clone LY-CoV555, is expressed in XtenCHO.</p> <p>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). 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 (target):</b>	P0DTC2		
<b>Origin:</b>	Derived from plasma from a convalescent patient with Covid-19		
<b>Specificity:</b>	Recognizes SARS-CoV-2 Spike-RBD protein		
<b>Source:</b>	XtenCHO		
<b>Purity:</b>	> 95% by reduced and non-reduced SDS-PAGE		
<b>Isotype:</b>	Human IgG kappa		
<b>Clone:</b>	LY-CoV555		
<b>Concentration:</b>	1.0 mg/ml, lot specific		
<b>Formulation:</b>	Sterile-filtered 0.01M PBS, pH 7.4		
<b>Purification:</b>	Protein A affinity chromatography		
<b>Endotoxin:</b>	< 0.01EU/µg by LAL analysis		
<b>Applications:</b>	<b>Neutralization, Functional Studies</b>		
<b>Storage &amp; Stability:</b>	<p>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 single-use aliquots of undiluted product and store -20°C to -80°C.</p> <p><b>Avoid repeated freeze/thaw cycles.</b></p>		



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



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