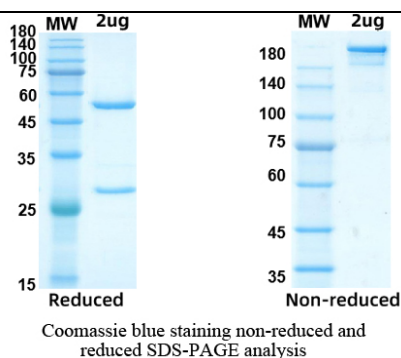


Product Details

Summary

Product name	Anti 2019-nCoV RBD Neutralizing antibody (AM001414)
description	Recombinant anti-SARS-CoV-2 RBD antibody is expressed from XtenCHO
Accession #	P0DTC2
Alternative names	414-1 , Anti Spike glycoprotein antibody, Anti 2019-nCoV RBD antibody, Anti 2019-nCoV Spike RBD antibody
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 °C for one week . Store at -20 to -80 °C for twelve months from the date of receipt.
Spcificity	Recognizes SARS-CoV-2 RBD Protein
Isotype	IgG1
Clonality	Monoclonal
Conjugation	Unconjugated
Species reactivity	Severe acute respiratory syndrome coronavirus 2 (2019-nCoV) (SARS-CoV-2)
Tested applications	ELISA, Neutralization
Immunogen	Recombinant SARS-CoV-2 S Protein RBD

SDS-PAGE image



Background

Protein S (PROS1) is glycoprotein and expressed in many cell types supporting its reported involvement in multiple biological processes that include coagulation, apoptosis, cancer development and progression, and the innate immune response. Known receptors bind S1 are ACE2, angiotensin-converting enzyme 2, DPP4, CEACAM etc.. The spike (S) glycoprotein of coronaviruses is known to be essential in the binding of the virus to the host cell at the advent of the infection process. Most

Anti 2019-nCoV RBD Neutralizing antibody (AM001414)

notable is severe acute respiratory syndrome (SARS). The severe acute respiratory syndrome-coronavirus (SARS-CoV) spike (S) glycoprotein alone can mediate the membrane fusion required for virus entry and cell fusion. It is also a major immunogen and a target for entry inhibitors. It's been reported that 2019-nCoV can infect the human respiratory epithelial cells through interaction with the human ACE2 receptor. The spike protein is a large type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which is responsible for recognizing the cell surface receptor. S2 contains basic elements needed for the membrane fusion. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.

Product performance

Form	Liquid
Buffer	PBS, pH7.5

Application

Dilution Range	ELISA: 1:5000-1:10000
----------------	-----------------------

Note

For research use only .Not for use in clinical diagnostic procedures.