

SARS-CoV-2 (2019-nCoV) Spike Neutralizing Mouse mAb

SARS-CoV-2 (2019-nCoV) Spike Neutralizing Mouse mAb

Catalog # AP94779

Product Information

Host	Mouse
Clonality	Monoclonal
Physical State	Liquid
Immunogen	Recombinant SARS-CoV-2 Spike S1 Protein
Epitope Specificity	14-685/1213
Isotype	IgG1
Purity	affinity purified by Protein A
Buffer	0.01M PBS (pH7.4).
SUBCELLULAR LOCATION	Virion membrane ; Single-pass type I membrane protein ; Host endoplasmic reticulum-Golgi intermediate compartment membrane ; Single-pass type I membrane protein ; Host cell membrane ; Single-pass type I membrane protein ;Note: Accumulates in the endoplasmic reticulum-Golgi intermediate compartment, where it participates in virus particle assembly. Colocalizes with S in the host endoplasmic reticulum-Golgi intermediate compartment. Some S oligomers are transported to the host plasma membrane, where they may mediate cell-cell fusion.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The SARS-CoV-2 spike (S) protein is the target of vaccine design efforts to end the COVID-19 pandemic. Despite a low mutation rate, isolates with the D614G substitution in the S protein appeared early during the pandemic, and are now the dominant form worldwide. Here, we analyze the D614G mutation in the context of a soluble S ectodomain construct.

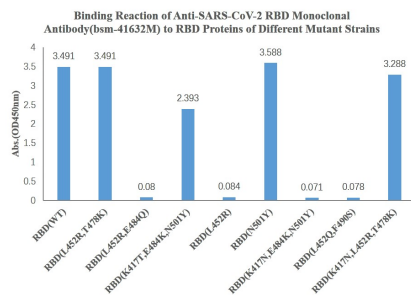
Additional Information

Dilution	ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Images



Direct ELISA was used to detect the binding ability of anti-RBD monoclonal antibody to RBD domain proteins of different SARS-CoV-2 Mutant Strains. Immobilized SARS-CoV-2 RBD proteins, at 2 µg/ml (100ul/Well) can bind Anti-RBD monoclonal antibody-HRP at 1ug/ml (100ul/Well).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.