ATAGENIX LABORATORIES

Catalog Number:ATMA10315Mo

Anti 2019-nCoV Spike glycoprotein S1 monoclonal antibody

Product Details

Summary

Product name	Anti 2019-nCoV Spike glycoprotein S1 monoclonal antibody
description	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant SARS-CoV-2(2019-nCoV) Spike glycoprotein.
Accession #	P0DTC2
Alternative names	Spike glycoprotein,S glycoprotei,E2,Peplomer protein,Spike protein S1,Spike protein S2,Spike protein S2',S
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 Spike glycoprotein
Isotype	IgG 1
Host	Mouse
Clonality	Monoclonal
Clone No.	19-J-16
Conjugation	Unconjugated
Species reactivity	Severe acute respiratory syndrome coronavirus 2 (2019-nCoV) (SARS-CoV-2)
Tested applications	WB
Immunogen	Recombinant SARS-CoV-2 (2019-nCoV) Spike protein fragment 1[679-833]

Background

Mediates fusion of the virion and cellular membranes by acting as a class I viral fusion protein. Under the current model, the protein has at least three conformational states: pre-fusion native state, pre-hairpin intermediate state, and post-fusion hairpin state. During viral and target cell membrane fusion, the coiled coil regions (heptad repeats) assume a trimer-of-hairpins structure, positioning the fusion peptide in close proximity to the C-terminal region of the ectodomain. The formation of this structure appears to drive apposition and subsequent fusion of viral and target cell membranes.

Product performance

Form	Liquid

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Buffer	PBS, pH7.4, containing 0.05% proclin300, 50% glycerol.
Concentration	0.42mg/ml
MW	142kDa

Application

Dilution Range	WB:1:1000~4000

Note

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