For Research Use Only

SARS-CoV-2 Spike Recombinant antibody

Catalog Number:91341-PTG

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Basic Information

Catalog Number:
91341-PTG

Size:

Source:
Human

Isotype:
IgG1

GenBank Accession Number:
NC_045512

GeneID (NCBI):
43740568

UNIPROT ID:
P0DTC2

Full Name:
SARS-CoV-2 Spike Protein

Calculated MW:
141 kDa

Purification Method:
Protein A Chromatography

CloneNo.:
AM043105

Recommended Dilutions:
Sample dependent. To be determined by the end user.

Applications

Tested Applications:
ELISA

Species Specificity:
Virus

Background Information

COVID-19, which is short for coronavirus disease 2019, is the official name of the respiratory disease caused by infection with the novel coronavirus SARS-CoV-2. The virus that causes COVID-19 was named SARS-CoV-2 because it is a coronavirus genetically similar to, yet distinct from, the virus that caused the severe acute respiratory syndrome (SARS) outbreak in 2003. Studying the details of how this virus replicates and causes the disease will allow scientists and physicians to more rapidly develop fast and accurate methods of detection as well as to deploy therapeutic and vaccine strategies. This antibody was derived from COVID-19 patients who have cleared the virus. Patient serum IgG was sequenced and expressed as full-length IgG1 with human immunoglobulin heavy and light chains in mammalian 293 cells.

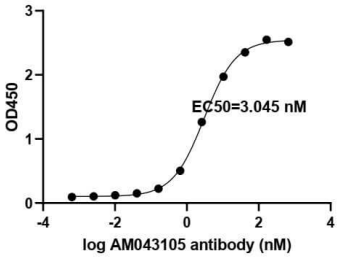
Storage

Storage:
Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage. This product is guaranteed for 12 months from date of receipt.
Storage Buffer:
140 mM Hepes, pH 7.5, 70 mM NaCl, 32mM NaOAc, 0.035% sodium azide, and 30% glycerol.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is made by Active Motif® and available through Proteintech Group, Inc.

Selected Validation Data



SARS-CoV-2 Spike Antibody (clone AM043105) tested by ELISA.SARS-CoV-2 Spike RBD protein was coated onto microtiter plates at 0.5 µg/mL and then incubated with a dilution series of SARS-CoV-2 Spike Antibody (clone AM009105). Bound antibodies were detected with anti-human IgG conjugated to horseradish peroxidase (HRP) followed by incubation with HRP Substrate and then measuring the resulting absorbance at 450 nm. Data provided by Active Motif®. .