

Active Recombinant COVID-19 Spike RBD protein, mFc-tagged

Cat. No. Spike-4729V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 protein(Arg 319 - Phe 541), fused with mFc tag, was expressed in HEK293.
Species	Sars-CoV-2
Source	HEK293
ProteinLength	Arg 319 - Phe 541
Form	Supplied as 0.2 µm filtered solution in 10 mM PB, Arginine, pH7.4.
Bio-activity	Immobilized SARS-CoV-2 S protein RBD, Mouse IgG2a Fc Tag at 1 µg/mL (100 µL/well) can bind Anti-SARS-CoV-2 Neutralizing Antibody, Human IgG1 with a linear range of 0.2-3 ng/mL.
Molecular Mass	This protein carries a mouse IgG2a Fc tag at the C-terminus.The protein has a calculated MW of 52.0 kDa. The protein migrates as 55-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.>90% as determined by SEC-MALS.
Storage	Please avoid repeated freeze-thaw cycles. This product is stable after at: The product MUST be stored at -70°C or lower upon receipt; -70°C for 3 months

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under sterile conditions.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name S surface glycoprotein [Severe acute respiratory syndrome coronavirus 2]

Official Symbol Spike

Synonyms

Spike; S1 protein; Spike glycoprotein Subunit1; S glycoprotein Subunit1; Spike protein S1; COVID-19 Omicron

Gene ID 43740568

Protein Refseq YP_009724390.1

UniProt ID P0DTC2

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