

ARG70343
SARS-CoV-2 Spike recombinant protein (RBD) (His-tagged, C-ter)Package: 100 µg
Store at: -20°C

Summary

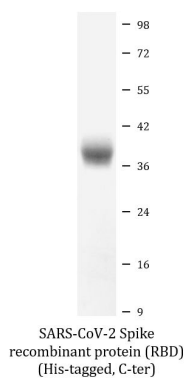
Product Description	HEK293 expressed, His-tagged (C-ter) SARS-CoV-2 Spike recombinant protein (RBD).
Tested Reactivity	Virus
Tested Application	Binding, SDS-PAGE
Target Name	SARS-CoV-2 Spike protein (RBD)
Species	Virus
A.A. Sequence	Arg319 - Phe541 of SARS-CoV-2 Spike protein (YP_009724390.1) with 6X His tag at the C-terminus.
Expression System	HEK293

Application Instructions

Application Note	Binding activity test: Measured by its binding ability in a functional ELISA. Immobilized Recombinant SARS-CoV-2 Spike RBD-His at 2µg/ml (100 µl/well) can bind Recombinant Human ACE2 with a linear range of 0.15-4.53 ng/ml. Immobilized human ACE2 on COOH Chip, can bind SARS-COV-2 Spike RBD Protein with an affinity constant of 36.7 nM as determined in a SPR assay.
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Properties

Form	Powder
Purification Note	0.22 µm filter sterilized. Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 95% (by SDS-PAGE); > 95% (by HPLC)
Buffer	PBS (pH 7.4)
Reconstitution	Reconstitute to a concentration of 0.1 - 0.5 mg/ml in sterile distilled water.
Storage instruction	Lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.



ARG70343 SARS-CoV-2 Spike recombinant protein (RBD) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70343 SARS-CoV-2 Spike recombinant protein (RBD) (His-tagged, C-ter).