

COVID-19 S Recombinant Protein | COVID-19 recombinant protein

Recombinant COVID-19 S Protein RBD (Omicron, B.1.1.529)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA266227	Mammalian Cells	ChickenOVID-19	SDS-Page, Western Blot, ELISA

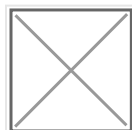
PRODUCT SYNONYMS

COVID-19 S; Recombinant COVID-19 S Protein RBD (Omicron; B.1.1.529); COVID-19 recombinant protein

PRODUCT SPECIFICATIONS

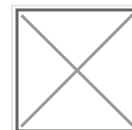
Host	Mammalian Cells
Reactivity	ChickenOVID-19
Purity/Purification	Greater than 95% as determined by reducing SDS-PAGE.
Form/Format	Liquid in a 0.2 um filtered solution of PBS, pH7.4.
Applicable Applications for COVID-19 recombinant protein	MS (Mass Spectrometry), SDS-PAGE, WB (Western Blot), ELISA
Source	Human cells
Endotoxin	Less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test.
Preparation and Storage	Store it at -20 degree C to -80 degree C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

IMAGES



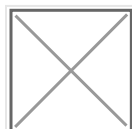
Application Data

Loaded Anti-COVID-19 S1 mAb on Protein A Biosensor, can bind Recombinant COVID-19 S Protein RBD (Omicron, B.1.1.529) with an affinity constant of 19.5 nM as determined in bioactivity assay.



Application Data

Loaded Human ACE-2 on Protein A Biosensor, can bind Recombinant COVID-19 S Protein RBD (Omicron, B.1.1.529) with an affinity constant of 6.32 nM as determined in bioactivity assay.



SDS-PAGE

Greater than 95% as determined by reducing SDS-PAGE.

ADDITIONAL INFORMATION

Related Product Information for COVID-19 recombinant protein	Recombinant COVID-19 S protein RBD Protein is produced by our mammalian expression system and the target gene encoding Arg319-Phe541 (G339D, S371L, S373P, S375F, K417N, N440K, G446S, S477N, T478K, E484A, Q493R, G496S, Q498R, N501Y, Y505H) is expressed with a 6His tag at the C-terminus. G339D, S371L, S373P, S375F, K417N, N440K, G446S, S477N, T478K, E484A, Q493R, G496S, Q498R, N501Y and Y505H mutations were identified in the COVID-19 variant (known as Omicron/B.1.1.529 lineage) which emerged in South Africa.
Product Categories/Family for COVID-19 recombinant protein	Proteins

NCBI AND UNIPROT INFORMATION

NCBI GeneID	Human: 43740568
UniProt Accession #	P0DTC2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/covid-19-s-recombinant-protein-mammalian-cells-ms-mass-spectrometry-sds-page-wb-western-blot-elisa/266227>