

MERS Spike RBD Active Protein

MERS Spike Protein RBD

CATALOG #
AAA73179

HOST
CHO Cells

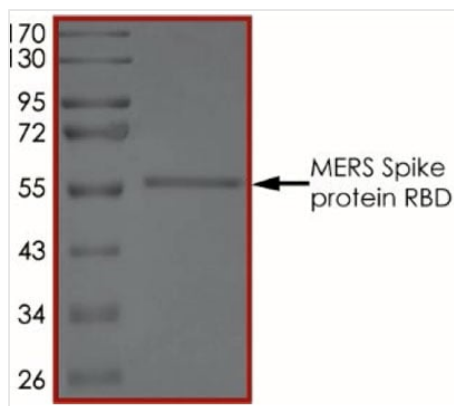
PRODUCT SYNONYMS

MERS Spike RBD; MERS Spike Protein RBD; MERS Corona virus S1; Corona virus S2; Corona virus spike; cov spike; ncov S1; ncov S2; ncov RBD; Spike RBD; RBD; MERS Spike RBD active protein

PRODUCT SPECIFICATIONS

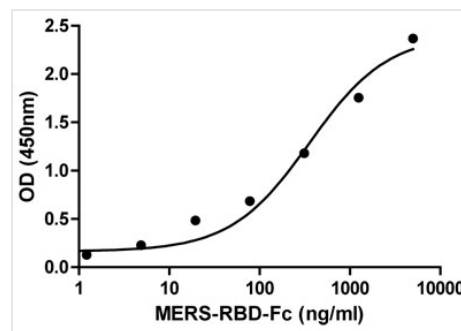
Host	CHO Cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 90mM glycine
Species	MERS-CoV
Tag	Fc
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



Purity Data

The purity of MERS Spike Protein RBD was determined to be >90% by densitometry, approx. MW 58 kDa.



Specific Activity

Binding ability measured in a functional ELISA. DPP4 protein can bind to immobilized MERS Spike Protein RBD (AAA73179)

ADDITIONAL INFORMATION

Related Product Information for MERS Spike RBD active protein

Recombinant MERS Spike Protein RBD (377-588) was expressed in CHO cells using a C-terminal human IgG1 Fc tag. The gene accession number is KU696644.

Overview: The Middle East respiratory syndrome Corona virus (MERS-CoV) has caused the MERS outbreak that first originated in Saudi Arabia, but since has spread to other countries around the world (1). The spike glycoprotein (S) of Corona virus belongs to the type I transmembrane protein containing two subunits (2), S1 and S2, which is known to be the key component to bind with host cells through interaction with dipeptidyl peptidase 4 (DPP4) (3). MERS-CoV can recognize DPP4 through its receptor binding domain (RBD) of S1 to initiate viral infection in humans (2).

Product Categories/Family for MERS Spike RBD active protein	Proteins; COVID-19 Proteins
References	1. Mohd H, et al: Middle East Respiratory Syndrome Corona virus (MERS-CoV) origin and animal reservoir. <i>Viral J.</i> 2016, 13: 87. 2. Lu G, et al: Molecular basis of binding between novel human Corona virus MERS-CoV and its receptor CD26. <i>Nature.</i> 2013, 500: 227-231. 3. Al-Tawfiq et al: Middle East Respiratory Syndrome-Corona virus (MERS-CoV) Infection. <i>Emerging Infectious Diseases.</i> 2014, 185-190.

NCBI AND UNIPROT INFORMATION

UniProt Accession #	KU696644
Molecular Weight	58kDa

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/cho-cells-active-protein/mers-spike-rbd/73179>