

Rabbit MERS-CoV Spike Polyclonal Antibody | anti-MERS-CoV antibody

Anti-MERS-CoV Spike Polyclonal Antibody

CATALOG # AAA177028	HOST Rabbit	REACTIVITY MERS-CoV	APPLICATIONS ELISA, Western Blot
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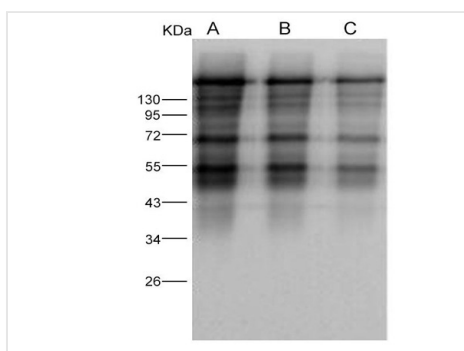
PRODUCT SYNONYMS

MERS-CoV Spike; Polyclonal Antibody; Anti-MERS-CoV Spike Polyclonal Antibody; coronavirus s1; coronavirus s2; coronavirus spike; cov spike; ncov RBD; ncov s1; ncov s2; ncov spike; RBD; S; s1; Spike RBD; anti-MERS-CoV antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	MERS-CoV
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	The antibody was purified by MERS-CoV (NCoV / Novel coronavirus) Spike Protein affinity chromatography
Form/Format	0.2um filtered solution in PBS
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-MERS-CoV antibody	ELISA, WB (Western Blot)
Immunogen	Recombinant MERS-CoV Spike Protein (S1+S2 ECD, aa1-1297, His Tag)
Host Note	This antibody was produced in rabbits immunized with purified Recombinant MERS-CoV Spike Protein.
Preparation and Storage	Store at -20°C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western Blot analysis of Recombinant MERS-CoV Spike Protein (S1+S2 ECD, aa 1-1297, His Tag) (with 5ng, 2ng and 1ng) using Anti-MERS-CoV Spike Polyclonal Antibody at dilution of 1:1000.

ADDITIONAL INFORMATION

Related Product Information for anti-MERS-CoV antibody	The spike (S) glycoprotein of coronaviruses contains protrusions that will only bind to certain receptors on the host cell. Known receptors bind S1 are ACE2, angiotensin-converting enzyme 2; DPP4, dipeptidyl peptidase-4; APN, aminopeptidase N; CEACAM, carcinoembryonic antigen-related cell adhesion molecule 1; Sia, sialic acid; O-ac Sia, O-acetylated sialic acid. The spike is essential for both host specificity and viral infectivity. The term 'peplomer' is typically used to refer to a grouping of heterologous proteins on the virus surface that function together. The spike (S) glycoprotein of coronaviruses is known to be essential in the binding of the virus to the host cell at the advent of the infection process. It's been reported that SARS-CoV-2 (COVID-19 coronavirus, 2019-nCoV) can infect the human respiratory epithelial cells through interaction with the human ACE2 receptor. The spike protein is a large type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which is responsible for recognizing the cell surface receptor. S2 contains basic elements needed for the membrane fusion. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity. The main functions for the Spike protein are summarized as: Mediate receptor binding and membrane fusion; Defines the range of the hosts and specificity of the virus; Main component to bind with the neutralizing antibody; Key target for vaccine design; Can be transmitted between different hosts through gene recombination or mutation of the receptor binding domain (RBD), leading to a higher mortality rate.
Product Categories/Family for anti-MERS-CoV antibody	MERS-CoV Antibody

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/polyclonal/mers-cov-spike-antibody-western-blot-elisa/177028>