

Mouse MERS-CoV Spike Monoclonal Antibody | anti-MERS antibody

MERS-CoV Spike (S) protein

CATALOG # AAA14872	HOST Mouse	APPLICATIONS Western Blot
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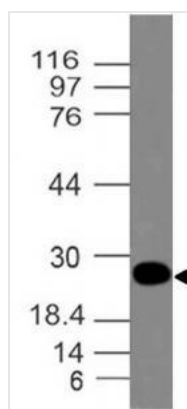
PRODUCT SYNONYMS

MERS-CoV Spike; Monoclonal Antibody; MERS-CoV Spike (S) protein; anti-MERS antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2b Kappa
Clone Number	ABM4A80
Purity/Purification	Protein G chromatography
Form/Format	Purified; 25ug in 50ul/100ug in 200ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Sequence Length	442
Applicable Applications for anti-MERS antibody	WB (Western Blot)
Application Notes	Western blot: 0.5-1 ug/ml
Immunogen	A recombinant protein fragment from 358-589 aa of MERS-CoV Spike (S1) protein was used as the immunogen for this antibody. The sequence covers the RBD domain (382-503aa) region.
Preparation and Storage	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

IMAGES



WB (Western Blot)

Western Blot analysis of MERS-CoV (S) Protein. Anti-MERS-CoV (S) protein antibody (Clone: ABM4A80) was tested at 0.1 ug/mL partial length recombinant protein.

ADDITIONAL INFORMATION

Related Product Information for anti-MERS antibody	The MERS-CoV spike (S) protein is a type I transmembrane glycoprotein which contains 1353 amino acids and can be cleaved into two subunit S1 and S2. It forms large protruding spikes on the surface of the virus. The S1 subunit which contains RBD is responsible for binding to Dipeptidyl peptidase 4, which serves as the host cell receptor of MERS-CoV and S2 mediates the membrane fusion. In this process, heptad repeats 1 and 2 (HR1 and HR2) of the S protein assemble into a complex called six-helix bundle (6-HB) fusion core structure, which represents a key membrane fusion architecture. Importantly, the S protein is considered a key component of vaccines against coronavirus infection, including severe acute respiratory syndrome (SARS).
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NCBI AND UNIPROT INFORMATION

UniProt Accession #	A0A0U2MS74
UniProt Protein Name	S protein
UniProt Entry Name	W5ZZU6_9BETC

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/monoclonal/mers-cov-spike-antibody-clone-abm4a80-western-blot-elisa/14872>