

Anti-MERS-CoV Spike protein [1F8] Standard Size Ab01675-21.0

This antibody does not have a J-chain and therefore presents as a hexamer, rather than a pentamer.

This chimeric mouse antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgM, Lambda

Clone Number: 1F8

Alternative Name(s) of Target: Spike glycoprotein; S glycoprotein; E2; Peplomer protein; Spike protein S1

UniProt Accession Number of Target Protein: W6A028

Published Application(s): NTRL

Published Species Reactivity: MERS Coronavirus

Immunogen: The original antibody was generated by isolating neutralizing antibodies from a non-immune human Ab-phage library using a novel panning strategy.

Specificity: This antibody specifically binds the amino acids 349-590 in the S1 domain of the MERS-CoV.

Application Notes: This antibody blocks the binding of MERS-CoV spike protein to DPP4 receptor by binding to the aa 349-590 in the S1 domain of the MERS-CoV. This is a neutralizing antibody.

Antibody First Published in: Tang et al. Identification of human neutralizing antibodies against MERS-CoV and their role in virus adaptive evolution PNAS (2014) ; Issue: 19; Volume: 111; Pages: E2018-E2026.

[PMID:24778221](#)

Note on publication: Describes the development and characterization of the antibody.

Product Form

Size: 50 µg Purified antibody.

Purification: Affinity Purified using a recombinant lectin column

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic

procedures for humans or animals.