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

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 gylcoprotein; 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 specifcally 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: 500 µg Purified antibody in bulk size.
Purification: Affinity Purified using a recombinant lectin column
Supplied In: PBS only.
Storage Recommendation: Store at 4^{0}C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommed this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20^{0}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.