

Anti-MERS-CoV Spike Protein [4c2] Standard Size Ab00695-1.1

Isotype and Format: Mouse IgG1, Kappa

Clone Number: 4c2

Alternative Name(s) of Target: MERS-RBD; Middle East respiratory syndrome coronavirus spike

UniProt Accession Number of Target Protein:

Published Application(s): crystallization, NTRL, ELISA

Published Species Reactivity: MERS-CoV

Immunogen: Recombinant spike receptor-binding domain of MERS-CoV prepared from insect High5 cells.

Specificity: This antibody binds MERS-CoV spike protein at an epitope overlapping with the receptor-binding domain (MERS-RBD).

Application Notes: This antibody binds to MERS-RBD and blocks virus entry in vitro with high efficacy by both steric hindrance and interface-residue competition.

Antibody First Published in: Li et al. A humanized neutralizing antibody against MERS-CoV targeting the receptor-binding domain of the spike protein Cell Research 25, 1237-1249 [PMID:26391698](#)

Note on publication: Describes the generation as well as functional and structural characterization of this antibody.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

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.