

Anti-MERS-CoV Spike Protein [D12] Standard Size Ab00696-23.0

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

Isotype and Format: Rabbit IgG, Kappa

Clone Number: D12

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, IF

Published Species Reactivity: MERS-CoV

Immunogen: MERS-CoV (England1 strain) S1 protein.

Specificity: This antibody binds to MERS-CoV spike protein receptor binding domain on the S1 protein. It is reported to cross-reacts with MERS-CoV strains England1, Bishan1, England1-D509G, whilst binding to England1-S532P, W535R and E536R is impaired.

Application Notes: This antibody binds to MERS-spike protein receptor binding domain, and has neutralizing effect in an in vitro model and was elicited by a vaccine conferring long-lasting in vivo protection. This antibody does not work by Western Blot.

Antibody First Published in: Wang et al. Evaluation of candidate vaccine approaches for MERS-CoV Nat Commun 6, 7712 (2015) [PMID:26218507](#)

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.