

Anti-SARS-CoV S glycoprotein [F26G10] Bulk Size Ab01671-15.0-BT

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

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgM, Kappa

Clone Number: F26G10

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

UniProt Accession Number of Target Protein: P59594

Published Application(s): NTRL, ELISA, IF

Published Species Reactivity: SARS Coronavirus

Immunogen: The original antibody was generated by immunizing the BALB/C mice with the Tor-3 strain of the SARS-CoV.

Specificity: This antibody specifically binds the amino acids 318-510 in the S1 domain of the SARS-CoV Spike protein with a binding affinity of $KD=7.5 (\pm 2.7)$ nM.

Application Notes: This antibody is a SARS-CoV neutralizing antibody. F26G9 was capable of recognising both the S protein and the RBD in an ELISA. The neutralizing mAb, F26G10 specifically recognize SARS-HCoV infected but not uninfected Vero cells in immunofluorescence Immunofluorescence (Berry et al, 2004).

Antibody First Published in: Berry et al. Development and characterisation of neutralising monoclonal antibody to the SARS-coronavirus Journal of Virological Methods (2004); Issue: 1; Volume: 120; Pages: 87-96. [PMID:15234813](#)

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°C for up to 3 months. Note, this antibody is provided without

added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.