

## Anti-SARS-CoV S glycoprotein [F26G10] Bulk Size Ab01671-10.0-BT

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 IgG1, 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:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**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.