Anti-SARS-CoV S glycoprotein [6B1] Standard Size Ab01663-11.0

Isotype and Format: Human IgG2, Kappa
Clone Number: 6B1
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
Published Species Reactivity: SARS Coronavirus
Immunogen: The original antibody was generated by immunizing a non human transgenic animal XENOMOUSE® IgG2k mice against S1 protein-Ig fragments (ectodomain) of the S Protein (Tor2).
Specificity: This antibody specifically binds the amino acids 318-510 in the S1 domain of the SARS-CoV Spike protein (Urbani strain).
Application Notes: This antibody inhibits the association of SARS-CoV s protein to the angiotensin-converting enzyme 2 (ACE2) receptor by binding to specific amino acids on the S1 domain of the spike protein of the virus. The originally characterized antibody had has a neutralizing titer 200TCID50 of 3.125 µg/ml (Coughlin et at.,2006) and IC50 of 4.08µg/ml when incubated with S12–510- Fc recombinant protein (Coughlin et at.,2009). This antibody 6B1 showed about 50% binding to Sin845 S1 protein relative to their binding to Urbani S1 protein. GZ0402-S1 protein showed minimal of 52% binding to HmAbs 6B1 (Elshabrawy et al., 2012). Other applications include ELISA.
Antibody First Published in: Coughlin et al. Generation and characterization of human monoclonal neutralizing antibodies with distinct binding and sequence features against SARS coronavirus using XenoMouse® Virology 361 (2007) 93–102. PMID:17161858
Note on publication: Describes the generation and 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 4ºC for up to 3 months. For longer storage, aliquot and store at -20ºC.
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.