

Anti-S1 (SARS-CoV-2) Human Monoclonal Antibody

CATALOG NUMBER: SCV2-S1-h25, 100 µg

Introduction	The novel coronavirus (SARS-CoV-2), previously called 2019-nCoV, is a newly identified coronavirus causing the ongoing outbreak of atypical pneumonia in Wuhan China from late 2019. The genome of SARS-CoV-2 has 89% nucleotide identity with bat SARS-like-CoVZXC21 and 82% with that of human SARS-CoV. The phylogenetic trees of their orf1a/b, Spike, Envelope, Membrane and Nucleoprotein also clustered closely with those of the bat, civet and human SARS coronaviruses. However, the external subdomain of Spike's receptor binding domain (RBD) of SARS-CoV-2 shares only 40% amino acid identity with other SARS-related coronaviruses.
Applications	Western blot, ELISA, etc
Description	Human monoclonal anti-spike (SARS-CoV-2/COVID-19) antibody
Immunogen	Recombinant SARS-CoV-2 spike protein
Specificity	Reacts to spike protein of SARS-CoV-2. Cross-reaction to spike protein from other coronavirus not tested.
Purification	Affinity Chromatography
Isotype	Human IgM
Storage	Store at -20 °C; Stable for 6-months from the date of shipment when kept at 4 °C. Non-hazardous.
Concentration	1 µg/µl in PBS, pH7.4

