

Anti-RBD (SARS-CoV-2 Spike Protein) Monoclonal Antibody

CATALOG NUMBER: SCV2-RBD-01m, 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	ELISA, may be used for other applications, such as WB, IF, etc.
Description	Mouse monoclonal anti-spike RBD domain (SARS-CoV-2) antibody
Immunogen	The extracellular domain from SARS-CoV-2 virus spike S1 protein
Specificity	Reacts with RBD domain of spike protein from coronavirus SARS-CoV-2. Cross-reaction to RBD domain from other coronavirus not tested.
Purification	Affinity chromatography
Isotype	Mouse IgG1
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 with 40% glycerol

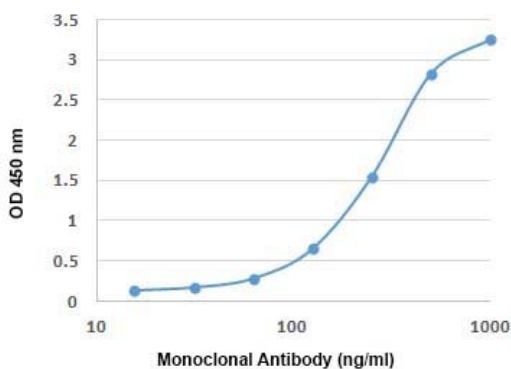


Figure 1. Titration curves of anti-spike RBD domain of SARS-CoV-2 mouse monoclonal antibody. 96-well corning ELISA plate was coated with SARS-CoV-2 spike RBD protein (Cat# [SCV2-RBD-060P](#)) at a concentration of 2 µg/ml.