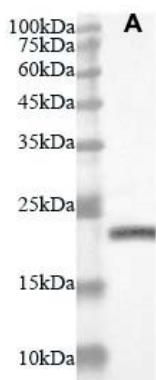


Anti-E (SARS-CoV-2) Rabbit Polyclonal Antibody

CATALOG NUMBER: SCV2-E-0100, 100 µg

Introduction	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is a newly identified coronavirus (2019-nCoV) causing the outbreak of atypical pneumonia in Wuhan China from late 2019. The genome of 2019-nCoV 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 of 2019-nCoV shares only 40% amino acid identity with other SARS-related coronaviruses.
Applications	Western blot (1:1000-1:5000) and ELISA (1:5000-10,000), May be used for other applications
Description	Rabbit polyclonal anti-SARS-CoV-2 membrane protein antibody
Immunogen	Full length recombinant Envelope (E) protein of SARS-CoV-2 (Gene Accession#: MN908947): <i>MYSFVSEETGLIVNSVLLFLAFVVFLVTLAILTALRLCAYCCNIVNVSLVKPSFYVYSRVKLNLSRVPDLLV</i>
Specificity	Reacts with E protein of SARS-CoV-2
Purification	Protein G chromatography
Isotype	IgG
Storage	Store at -20 °C; Stable for 3 months from the date of shipment when kept at 4 °C.
Concentration	1 mg/ml in PBS with 50 % glycerol



Western blot:

Primary antibody: anti-envelope rabbit polyclonal antibody (1:3000 dilution);

Secondary antibody: HRP-conjugated goat anti-rabbit IgG (1:8000)

A: full length envelope (E) protein of SARS-CoV-2