Anti-M (2019-nCoV) Rabbit Polyclonal Antibody

CATALOG NUMBER: NCV-M-005, 100 µg, 1mg

Introduction The novel coronavirus (2019-nCoV) is a newly identified coronavirus causing the ongoing 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 (1:500-1:2000) and ELISA, May be used for other applications

Description Rabbit polyclonal anti-membrane protein (2019-nCoV) antibody

Immunogen A peptide sequence (amino acid 159-186) derived from Membrane (M) protein of 2019-nCoV (Gene Accession#: MN908947): *CDIKDLPKEITVATSRTLSYYKLGASQR*

Specificity Reacts with membrane protein of 2019-nCoV. Cross-reacts to most membrane proteins from other subtypes of coronavirus

Purification Protein G chromatography

Isotype IgG

Storage Store at -20 °C; Stable for 6-months from the date of shipment when kept at 4 °C. Non-hazardous. No MSDS required.

Concentration 2 µg/µl in PBS

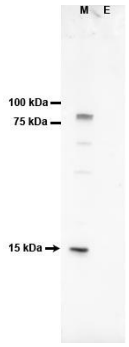

Figure 1. Western Blot: M, purified M protein (SCV2-M-050P); E, envelope protein of SARS-CoV-2 (SCV2-E-050P); Primary antibody, anti-M protein (2019-nCoV) antibody (Cat# NCV-M-005) (1:2000 dilution)

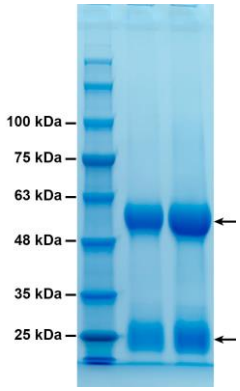

Figure 2. 10% SDS-PAGE, purified rabbit IgG of anti-M protein (2019-nCoV) antibody (Cat# NCV-M-005)