

Anti-SARS-CoV-2 NP Antibody

rev 09/20

CATALOG NO.: A2061-50 (50 µg)

BACKGROUND DESCRIPTION: Coronaviruses (CoV) are a large group of enveloped positive-sense RNA viruses. They belong to subfamily *Coronavirinae*, in the family of *Coronaviridae*, of the order of *Nidovirales*. The Coronavirus genome is about 30 kb in length and encodes four structural proteins, namely, spike (S), envelope (E), membrane (M) and nucleocapsid (N), multiple non-structural proteins and other accessory proteins. Coronaviruses infect humans as well as a number of mammalian and avian species. Of the six Coronaviruses that infect humans, SARS-CoV and MERS-CoV cause severe respiratory disease in humans. SARS-CoV-2 is a novel strain of Coronavirus, deadlier than SARS and MERS-CoV and researchers are aiming to identify anti-viral targets and develop drugs and vaccines to inhibit replication of SARS-CoV-2.

ANTIBODY TYPE: Polyclonal

HOST/ISOTYPE: Rabbit / IgG

IMMUNOGEN: Synthetic peptide targeting amino acids 1-100 of SARS-CoV-2 nucleoprotein

MOLECULAR WEIGHT: 50 kDa

PURIFICATION: > 95% based on SDS-PAGE

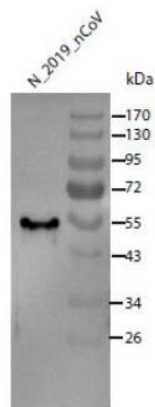
FORM: Liquid

FORMULATION: In 0.01 M Tris-HCl, pH 8.0, 0.15 M NaCl, 0.02% sodium azide

STORAGE CONDITIONS: Store at -20°C. Product is stable for 6 weeks at 2 - 8 °C as undiluted liquid. Prepare fresh dilutions for every new experiment. Avoid freeze / thaw cycles

APPLICATIONS AND USAGE: WB 0.5-2 µg/ml, Indirect ELISA 1-2 µg/ml, Sandwich ELISA at 2 µg/ml as detecting antibody with biotinylation

This information is only intended as a guide. The optimal dilutions must be determined by the user



Western blot analysis of purified recombinant Nucleoprotein from SARS-CoV-2 using Anti-SARS-CoV-2 NP antibody. Primary antibody dilution used was 0.5-2 µg/ml.

RELATED PRODUCTS:

Anti-SARS-CoV-2 NP Antibody (Clone# 11D5) (A2092)
 Anti-CoV-2 & SARS-CoV NP Mouse IgG1 Antibody (A2066)
 Anti-SARS-CoV-2 NP Antibody (Clone# 4G1) (A2093)
 Anti-SARS-CoV-2 NP Antibody (Clone# 6F10) (A2060)
 Anti-SARS-CoV-2 Spike S1 Antibody (Clone# 4C6) (A3001)
 Anti-CoV-2 & SARS-CoV NP Mouse IgG2b Antibody (A2064)
 Anti-SARS-CoV-2 Spike S1 Antibody (A3000)