

Anti-SARS-CoV-2 NP Antibody (Clone# 4G1)

rev 05/20

CATALOG NO.: A2093-50 (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: Monoclonal**CLONE:** 4G1**HOST/ISOTYPE:** Mouse / IgG**IMMUNOGEN:** Synthetic peptide targeting amino acids 1-100 of SARS-CoV-2 nucleoprotein**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 (0.05-1 µg/ml), IHC (0.5-2 µg/ml)**This information is only intended as a guide. The optimal dilutions must be determined by the user****RELATED PRODUCTS:**

Anti-SARS-CoV-2 NP Antibody (A2061)

Anti-CoV-2 & SARS-CoV NP Mouse IgG2b Antibody (A2064)

Anti-SARS-CoV-2 NP Antibody (Clone# 6F10) (A2060)

Anti-CoV-2 & SARS-CoV NP Mouse IgG1 Antibody (A2066)

Anti-SARS-CoV-2 Spike S1 Antibody (A3000)

Anti-SARS-CoV-2 Spike S1 Antibody (Clone# 4C7) (A3001)

FOR RESEARCH USE ONLY! Not to be used on humans.