

**DATA SHEET**

**Product Name:** Anti-SARS-CoV-2 NP Antibody

**Catalog #:** CV-2010

**Molecular Mass:** 50 kDa

**Purity:** >95%

**Antibody Type:** Polyclonal

**Host/Isotype:** Rabbit / IgG2a

**Immunogen:** Synthetic peptide targeting amino acids 1-100 of SARS-CoV2 nucleoprotein

**Specificity:** MERS Coronavirus Spike Protein S1 domain

**Supplied as:** Liquid in 0.01 M Tris-HCl, pH 8.0, 0.15 M NaCl, 0.02% sodium azide

**Storage:** 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.

**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.

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