

Product datasheet for TA355143

OriGene Technologies, Inc.

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SARS-CoV-2 N Protein Mouse Monoclonal Antibody [Clone ID: 6F10]

Product data:

Product Type: Primary Antibodies

Clone Name: 6F10

Applications: ELISA, IHC, WB

Recommended Dilution: WB 0.1-1 μg/ml, Indirect ELISA 0.2-2 μg/ml as detecting antibody, Sandwich ELISA 2 μg/ml, IHC

(not recommended without antigen retrieval)

Reactivity: SARS-CoV-2

Host: Mouse Isotype: IgG

Clonality: Monoclonal

Immunogen: Synthetic peptide targeting amino acids 300-400 of SARS-CoV-2 nucleoprotein

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

Purification: Purified from ascites by Protein G column, \$ 95% based on SDS-PAGE

Conjugation: Unconjugated

Storage: Store at -20°C. Product is stable for 6 weeks at 2 -8°Cas undiluted liquid. Prepare fresh

dilutions for every new experiment. Avoid freeze / thaw cycles

Background: Coronaviruses (CoV) are a large group of enveloped positive-sense RNA viruses. They belong

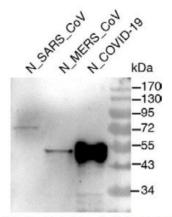
to subfamily Coronavirinae, in the family of Coronaviridae, of the order of Nidovirales. The Coronavirus genome is about 30 kb in length and encodes four structural proteins, namely, spike (S), envelope (E), membrane (M) and nucleocapsid (N), multiple non-structural proteins

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. Current research is aimed at identifying anti-viral targets and develop drugs and vaccines to inhibit viral replication.



Product images:



Western blot analysis of purified recombinant Nucleoproteins from SARS, MERS and SARS-CoV-2 using Anti-SARS-CoV-2 Antibody (Clone# 6F10). Primary antibody concentration used was 0.1-1 µg/ml