

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

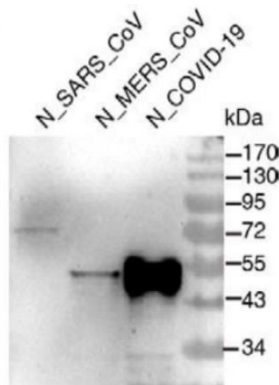
02/20

CATALOG NO.: A2060-50 (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.

<b>ANTIBODY TYPE:</b>	Monoclonal
<b>CLONE:</b>	6F10
<b>HOST/ISOTYPE:</b>	Mouse / IgG
<b>IMMUNOGEN:</b>	Synthetic peptide targeting amino acids 300-400 of SARS-CoV-2 nucleoprotein
<b>MOLECULAR WEIGHT:</b>	50 kDa
<b>PURIFICATION:</b>	Purified from ascites by Protein G column, > 95% based on SDS-PAGE
<b>FORM:</b>	Frozen Liquid
<b>FORMULATION:</b>	In 0.01 M Tris-HCl, pH 8.0, 0.15 M NaCl, 0.02% sodium azide
<b>STORAGE CONDITIONS:</b>	Store at -20°C; 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
<b>APPLICATIONS AND USAGE:</b>	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)

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



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.

## RELATED PRODUCTS:

HA (Influenza A Virus Hemagglutinin) Antibody (3924)  
 Anti-Flavivirus group antigen Antibody (A1147)  
 Anti-HIV/p24 Antibody (1D4) (A1020)  
 Anti-RSV (Felvizumab), Human IgG1 Antibody (A1446)

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