

Anti-SARS-CoV-2 Nucleocapsid Monoclonal Antibody (Clone 54)

CATALOG NO.: **A2381-50 (50 µg)**
A2381-100 (100 µg)

BACKGROUND DESCRIPTION: The coronaviruses (CoV), including the novel 2019 coronavirus SARS-CoV-2, has a genome of about 30 kb in length and encodes four structural proteins: spike, envelope, membrane, and nucleocapsid. The coronavirus nucleocapsid (N), also called nucleoprotein, is a structural protein that forms complexes with genomic RNA, interacts with the viral membrane protein during virion assembly and plays a critical role in enhancing the efficiency of virus transcription and assembly. Nucleocapsid is therefore an intriguing target for identifying antiviral therapies to inhibit viral replication.

ALTERNATE NAMES: Nucleoprotein, N, NC, Protein N

ANTIBODY TYPE: Monoclonal

CLONE: 54

HOST/ISOTYPE: Mouse / IgG1

IMMUNOGEN: Recombinant SARS-CoV-2 Nucleoprotein (Met 1 to Ala 419)

MOLECULAR WEIGHT: 45 kDa (calculated)

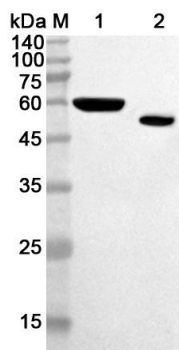
FORM: Liquid

FORMULATION: Liquid in PBS, pH 7.4, containing 0.05% Proclin 300, 50% glycerol

SPECIES REACTIVITY: SARS-CoV-2

STORAGE CONDITIONS: Aliquot and store at -20 °C. Avoid repeated freeze-thaw cycles

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



Western blot analysis of **1**) recombinant nucleocapsid protein from mammalian cells and **2**) recombinant nucleocapsid protein from E. coli using Anti-SARS-CoV-2 Nucleocapsid Monoclonal Antibody (Clone 54).

RELATED PRODUCTS:

Anti-CoV-2 & SARS-CoV NP Mouse IgG2b Antibody (Cat. No. A2064).
 Anti-SARS-CoV-2 NP Antibody (Clone# 11D5) (Cat. No. A2092).
 Anti-SARS-CoV-2 S1 Antibody (Clone# S309) (Cat. No. A2266).
 Anti-CoV-2 & SARS-CoV NP Mouse IgG1 Antibody (Cat. No. A2066).
 Anti-SARS-CoV-2 NP Antibody (Clone# 4G1) (Cat. No. A2093).

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