

SARS-CoV-2 Nucleocapsid Antibody, Mouse MAbs



Sino Biological
Biological Solution Specialist

Catalog Number: 40588-MM170

GENERAL INFORMATION	
Immunogen:	Recombinant SARS-CoV-2 Nucleocapsid Protein (Catalog# 40588-V08B)
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, SARS-CoV-2 Nucleocapsid (Catalog#40588-V08B; YP_009724397.2(335Gly/Ala); Met1-Ala419). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Ig Type:	Mouse IgG1
Clone ID:	170
Specificity:	SARS-CoV-2 Nucleocapsid
	Has cross-reactivity in WB and ELISA with SARS-CoV-2 Omicron (JN.1/BA.2.86) Nucleocapsid Protein (Cat# 40588-V07E42) SARS-CoV-2 Omicron (BF.7) Nucleocapsid Protein (Cat# 40588-V07E40) SARS-CoV-2 Omicron (BQ.1/BQ.1.1) Nucleocapsid Protein (Cat# 40588-V07E39) SARS-CoV-2 Omicron (BA.4) Nucleocapsid Protein (Cat# 40588-V07E37) SARS-CoV-2 Omicron (B.1.1.529) Nucleocapsid Protein (Cat# 40588-V07E34) SARS-CoV-2 Nucleocapsid (P80R) Protein (Cat# 40588-V07E11) SARS-CoV-2 Nucleocapsid (D3L, R203K, G204R, S235F) Protein (Cat# 40588-V07E7) SARS-CoV-2 Nucleocapsid Protein (Cat# 40588-V08B) Has cross-reactivity in WB with SARS-CoV-2 Nucleocapsid (T205I) Protein (Cat# 40588-V07E9) No cross-reactivity in WB and ELISA with SARS-CoV-2 Nucleocapsid NTD Protein (Cat# 40588-V07E10) SARS-CoV-2 Nucleocapsid CTD Protein (Cat# 40588-V07E5) No cross-reactivity in ELISA with SARS-CoV-2 Nucleocapsid (T205I) Protein (Cat# 40588-V07E9)
Formulation:	0.2 µm filtered solution in PBS
Storage:	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
APPLICATIONS	
Applications:	WB, ELISA, LFA(Cap)
	IHC, FCM, IF, IP et al. applications haven't been validated. (Antibody's applications haven't been validated with corresponding virus positive samples. Optimal concentrations/dilutions should be determined by the end user.)
RECOMMENDED CONCENTRATION	
Western Blot	WB: 1:1000-1:10000
LFA(Cap)	LFA(Cap): 1 mg/mL In Lateral Flow Assay, the Detector Antibody (Cat#: 68270-MM285) conjugated with colloidal gold particles and paired with the Capture Antibody (Cat#: 40588-MM170) to detect the recombinant SARS-CoV-2 Nucleocapsid Protein (Cat#: 40588-V08B), the sensitivity is 200 pg/mL.
ELISA	ELISA: 1:1000-1:2000

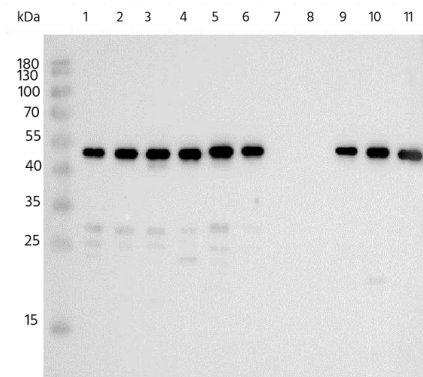
Please Note: Optimal concentrations/dilutions should be determined by the end user.

SARS-CoV-2 Nucleocapsid Antibody, Mouse MAb



Sino Biological
Biological Solution Specialist

Catalog Number: 40588-MM170



Anti-SARS-CoV-2 Omicron (B.1.1.529) Nucleocapsid mouse monoclonal antibody in 1 µg/mL.

Sample: Recombinant Protein 10 ng

Lane 1: SARS-COV-2 JN.1/BA.2.86 (Omicron) Nucleoprotein/NP Protein (Cat#40588-V07E42)
Lane 2: SARS-COV-2 BQ.1/BQ.1.1 (Omicron) Nucleocapsid Protein (Cat#40588-V07E39)
Lane 3: SARS-COV-2 BF.7 (Omicron) Nucleocapsid Protein (Cat#40588-V07E40)
Lane 4: SARS-CoV-2 (BA.4) Nucleocapsid Protein (Cat#40588-V07E37)
Lane 5: SARS-CoV-2 Nucleocapsid (P80R) Protein (Cat#40588-V07E11)
Lane 6: SARS-CoV-2 Nucleocapsid (T205I) Protein (Cat#40588-V07E9)
Lane 7: SARS-CoV-2 Nucleocapsid NTD Protein (Cat#40588-V07E10)
Lane 8: SARS-CoV-2 Nucleocapsid CTD Protein (Cat#40588-V07E5)
Lane 9: SARS-CoV-2 Nucleocapsid-His recombinant Protein (Cat#40588-V08B)
Lane 10: SARS-CoV-2 Nucleocapsid(D3L, R203K, G204R, S235F)-His Recombinant Protein (Cat#40588-V07E7)
Lane 11: SARS-CoV-2 B.1.1.529 (Omicron) Nucleocapsid Protein (Cat#40588-V07E34)

Secondary

Goat Anti-Mouse IgG (H+L)/HRP at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

Tel: +86-400-890-9989 (Global), +1-215-583-7898 (USA), +49(0)6196 9678656 (Europe)

Website: <http://www.sinobiological.com>