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SARS-COV-2 Rabbit Monoclonal Antibodies

Anti-Nucleocapsid (NP)

Immunogen: Recombinant nucleocapsid protein expressed in HEK293 cells

Antigen for Epitope Mapping: From N- to C- terminus, fragments named as N2 and N1, expressed in E. Coli.

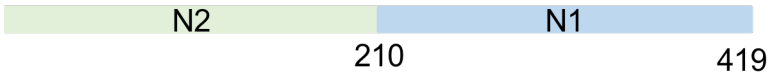

Figure 1. Antigens used for epitope mapping. The N protein of the SARS-COV-2 was split to 2 fragments (N2 and N1) at positions indicated by the numbers, with 9 amino acid overlaps. Protein of each fragment was expressed with a poly-His tag in E. Coli and purified. These fragments were used to test the binding of each antibody to determine epitope.

Cat #	Antibody Clone ID	Affinity Kd (M)	Binding Epitope	Application
551131	371-6A	1.0E-11	Unknown	ELISA, WB
551132	371-19A	1.2E-11	N1	ELISA, LFIA, WB
551133	371-21A	1.2E-11	Unknown	ELISA, WB
551134	371-24A	2.4E-11	N2	ELISA, WB
551135	371-26A	2.0E-11	N2	ELISA, LFIA, WB
551136	371-87A	1.2E-11	N2	ELISA, WB
551137	371-12B	2.6E-11	N2	ELISA, WB
551138	371-10A	2.2E-11	N2*	ELISA, LFIA, WB
551139	371-31A	1.5E-11	N2	ELISA, WB
551140	371-29B	2.5E-11	N1	ELISA, WB
551141	371-30M	1.7E-11	N2	ELISA, WB
551142	371-13C	1.6E-11	N1	ELISA, WB
551143	371-20C	1.8E-11	N2	ELISA, WB
551144	371-26C	2.5E-11	N2*	ELISA, WB
551145	371-49C	1.8E-11	N2	ELISA, WB

*Antibodies from clone 371-10A and 371-26C could differentiate the N protein of SARS-COV-2 from that of SARS-COV.
**Refer to individual antibodies for dilution factors in ELISA, lateral flow immunoassay (LFIA) or western blot (WB).