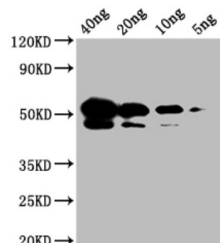


Product no **AS21 4577****Anti-Nucleoprotein (N) of Novel Coronavirus SARS-CoV-2/ 2019-nCoV (detection antibody)****Product information**

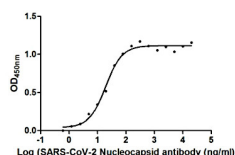
Immunogen	Recombinant Human Novel Coronavirus Nucleoprotein (N) (1-419aa), UniProt: P0DTC9
Host	Mouse
Clonality	Monoclonal
Subclass/isotype	IgG1
Purity	Affinity chromatography purified in 10 mM PBS, pH 7.4, 50 % glycerol, 0.03% Proclin 300.
Format	Liquid
Quantity	100 µl
Storage	Store at -20 °C or -80 °C. Make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.
Additional information	This is a detection antibody, which can be combined with Capture antibody: AS21 4576 Anti-Nucleoprotein (N) of Novel Coronavirus SARS-CoV-2/ 2019-nCoV (human), monoclonal antibodies and Positive control: AS20 4388 Human Novel Coronavirus Nucleoprotein(N)

Application information

Recommended dilution	1: 1000 - 1: 5000 (ELISA), 1: 1000-1: 5000 (WB)
Expected apparent MW	48 55 kDa
Confirmed reactivity	Human Nucleoprotein (N) of Novel Coronavirus SARS-CoV-2/ 2019-nCoV



Recombinant SARS-CoV-2 nucleocapsid protein overexpressed in *E. coli*, was separated on SDS-PAGE and transferred to a PVDF membrane (pore size: 0.45 µm). Following the blocking in 5 % non-fat milk in PBS-T, primary anti- Nucleoprotein (N) antibodies were used in 1: 1000 in 5 % non-fat milk in PBS-T, followed by washes and incubation with a secondary antibody goat anti-mouse IgG. Reaction was visualized using chemiluminescence.



ELISA confirming the binding activity of SARS-CoV-2-N antibodies in a functional ELISA.

Human Novel Coronavirus Nucleoprotein(N) ([AS20 4388](#)) was immobilized at 2 µg/ml and can bind SARS-CoV-2-N antibody, the EC50 is 15.36 to 23.97 ng/ml.