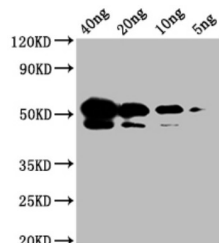
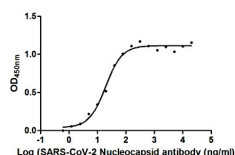


Product no **AS21 4577****Nucleoprotein (N) of Novel Coronavirus SARS-CoV-2/ 2019-nCoV (detection antibody)****Product information****Immunogen** | Recombinant Human Novel Coronavirus Nucleoprotein (N) (1-419aa), UniProt: [P0DTC9](#)**Host** | Mouse**Clonality** | Monoclonal**Subclass/isotype** | IgG1**Purity** | 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.