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Product no AS20 4388

Human Novel Coronavirus Nucleoprotein(N)

Product information

Format Lyophilized

Storage Store lyophilized/reconstituted at -20°C/-80°C. Reconstitute in deionized sterile water to a concentration from 0.1-1.0 mg/ml and add 5-50% of glycerol (final concentration). 50 % glycerol is a default final recommended concentration. 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. Working aliquotes can be stored at 4 for up to one week.Shelf life of liquid form is 6 monthss at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.

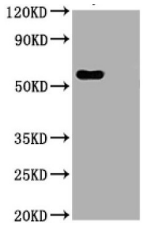
Application information

Additional information N-terminal His tagged Nucleoprotein (N) (6xHis) was overexpressed in *E.coli* in the region 1-419 amino acids UniProt P0DTC9: MSDNGPQNQRNAPRITFGGPSDSTGSNQNGERSGARSKQRRPQGLPNNTASW FTALTQHGKEDLKFPRGQGVPINTNSSPDDQIGYYRRATRRIRGGDGKMKDLSP RWYFYYLGTGPEAGLPYGANKDGIIWVATEGALNTPKDHIGTRNPANNAAIVLQL PQGTTLPKGFYAEGSRGGSQASSRSSSRSRNSSRNSTPGSSRGTSPARMAGNG GDAALALLLLDRLNQLESKMSGKGQQQQGQTVTKKSAAEASKKPRQKRTATKAY NVTQAFGRRGPEQTQGNFGDQELIRQGTDYKHWPQIAQFAPSASAFFGMSRIG MEVTPSGTWLTYTAAIKLDDKDPNFKDQVILLNKHIDAYKTFPPTEPKKDKKKA DETQALPQRQKKQQTVTLLPAADLDDFSKQLQQSMSSADSTQA

This product is a positive control for Nucleoprotein (N) of Novel Coronavirus SARS-CoV-2/ 2019-nCoV (human) antibodies (AS20 4387).

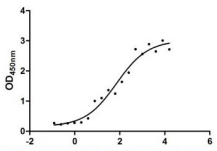
Purity: >90 % as confirmed by SDS-PAGE
Buffer: 0.2 µm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0

Application examples



Western blot using 200 ng/well of His tag-tagged SARS-CoV-2 nucleocapsid recombinant protein overexpressed in *E. coli*, detected by anti-Nucleoprotein (N) of Novel Coronavirus SARS-CoV-2/ 2019-nCoV (human) antibodies (AS20 4387) used at 1:1000 and combined with Goat Anti-Human IgG, Fc Fragment Specific, HRP conjugated secondary antibodies (AS20 4390) at 1: 20 000. Reaction was visualised with chemiluminescent detection reagent according to manufacture's recommendations.

Note: Predicted band size: 48 kDa Observed band size: 55 kDa



Functional ELISA of immobilized Nucleoprotein (N) at 5 µg/ml which can bind anti-Nucleoprotein (N) of Novel Coronavirus SARS-CoV-2/ 2019-nCoV (human) antibodies (AS20 4387), with the EC_{50} 43.50-118.4 ng/ml.