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Product no AS20 4387

Anti-Nucleoprotein (N) of Novel Coronavirus SARS-CoV-2/2019-nCoV (human)

Product information

Immunogen Recombinant Human Novel Coronavirus Nucleoprotein (N) (1-419aa), UniProt: PODTC9

Host Mouse

Clonality Monoclonal recombinant (clone 1A6)

Subclass/isotype Mouse scFv fusion with human IgG1 Fc

Purity Affinity chrompatography 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; once reconstituted 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.

Application information

Recommended dilution 1: 10 000 - 1: 50 000 (ELISA), 1: 500-1: 5000 (WB)

Expected | apparent 45 kDa MW

Confirmed reactivity Human Nucleoprotein (N) of Novel Coronavirus SARS-CoV-2/ 2019-nCoV

Not reactive in No confirmed exceptions from predicted reactivity are currently known

Recombinant anti-SARS-CoV-2 Nucleoprotein Mouse ScFv were expressed in 293 cells (HEK293) with a human IgG1 **Additional information**

Fc tag on C-terminal. Therefore, anti-human IgG1 Fc, secondary antibody has to be used:

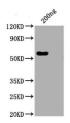
AS10 791 | Anti-Human IgG Fc, HRP conjugated, goat antibodies

AS10 797 | Anti-Human IgG Fc, HRP conjugated, min. cross-reactivity bovine/mouse/rabbit serum, goat antibodies

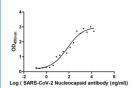
AS10 787 | Anti-Human IgG Fc, ALP conjugated, goat antibodies

AS10 793 | Anti-Human IgG Fc, ALP conjugated, min. cross-reactivity to bovine/mouse/rabbit serum, goat antibodies

Application example



200 ng of His tag-tagged SARS-CoV-2 nucleocapsid recombinant protein overexpressed in E. coli was separated on a 10 % SDS-PAGE and transferred to nitrocellulose. The membrane was blocked with 5 % non-fat milk and following a series of washes with TBS-T and incubated with anti-SARS-CoV-2 nucleocapsid antibodies at a dilution of 1:1000 at RT for 2 h. Following a series of washes with TBS-T the membrane was incubated with a secondary antibody, goat anti-human IgG, Fc fragment at 1: 20 000 for 1h/RT. Following a standard series of washes with TBS-T, reaction was visualised with chemiluminescence following manufacture's recommendations. Predicted size of target protein is 48 kDa, detected band size is 55 kDa due to a His tag.



Wells were coated with Human Novel Coronavirus Nucleoprotein(N) (AS20 4388) at 5 µg/ml and could bind anti- Nucleoprotein (N) antibodies with E₅₀ of 43.50-118.4 ng/ml.