

SARS-CoV-2 Nucleoprotein

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Catalog: #2501

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For Research Use Only. Not For Use In Diagnostic Procedures.

Applications	Detection	Clonality	Isotype
ELISA	Anti-SARS-CoV-2 NP mAb	SARS-CoV-2	SARS-CoV-2

Format: His tag

Cross Reactivity: N/A

Formulation: 1X PBS, 0.02% NaN₃

Preparation: His tag purification

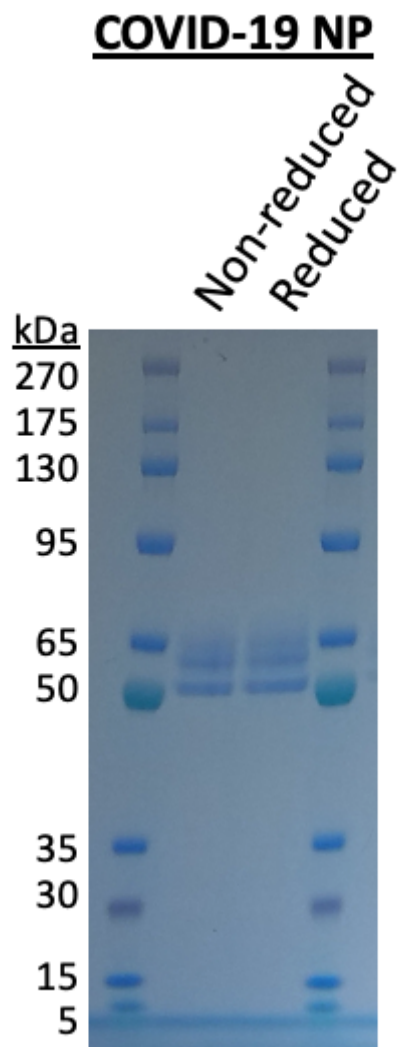
Reactivity: Other

Recommended Usage: Control antigen for SARS-CoV-2 (COVID-19) diagnostic assays. Contains C-terminal His tag used for purification.

Immunogen: N/A

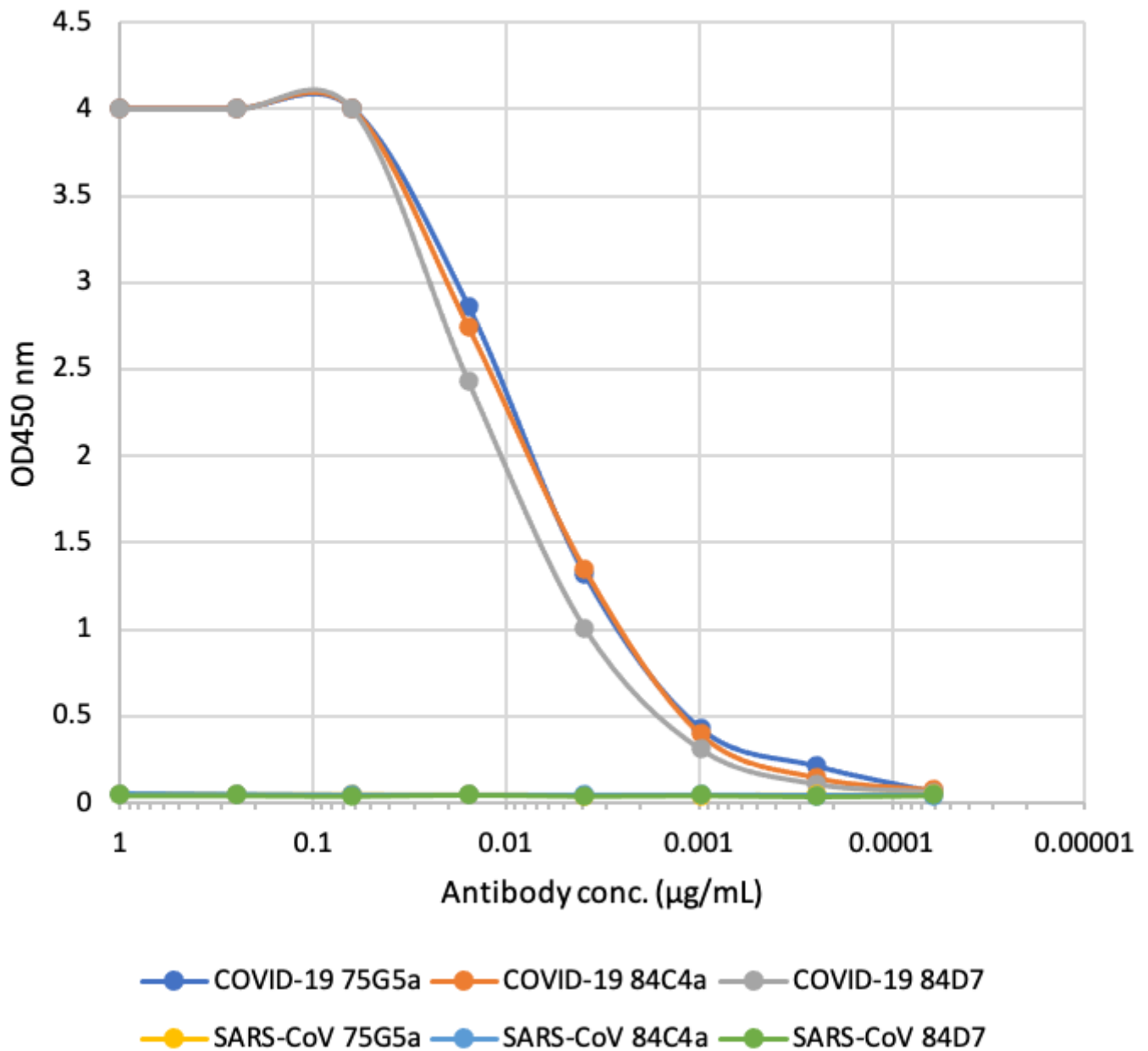
Description: Expressed in and purified from HEK-293 cells, SARS-CoV-2 (COVID-19) nucleoprotein (NP) is used as control antigen for diagnostic assays using Abwiz antibody clones 75G5a ([Abwiz Cat. #2481](#)), 84C4a ([Abwiz Cat. #2486](#)), 84D7 ([Abwiz Cat. #2491](#)), and 85C1 ([Abwiz Cat. #2496](#)) including in biotinylated format. These antibodies can be paired in sandwich detection assay and used to detect NP antigen from SARS-CoV-2 with high sensitivity (to 2.5pg) and high specificity.

References:



SDS-PAGE gel shows high purity for SARS-CoV-2 nucleoprotein.

Binding of purified IgG



Microtiter wells were coated with SARS-CoV-2 (COVID-19) Nucleocapsid Protein (NP, Cat#2501) and SARS-CoV NP at 1 ug/mL. Purified rabbit monoclonal antibodies 75G5a (Cat# 2481), 84C4a (Cat# 2486), and 84D7 (Cat# 2491) were serially diluted 1:2 starting at 1 ug/mL. Rabbit monoclonal antibodies 75G5a, 84C4a, and 84D7 show very strong and specific binding to COVID-19 NP antigen, with no significant cross-reactivity to SARS-CoV NP antigen.