

Rabbit COVID 19 Nucleocapsid (NP) Coronavirus Monoclonal Antibody | anti-COVID-19 antibody

Anti SARS-CoV-2 Nucleocapsid rabbit mAb (Clone:75G5a)

CATALOG # AAA78548	HOST Rabbit	APPLICATIONS ELISA
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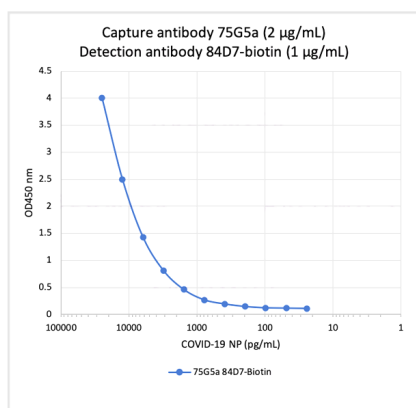
PRODUCT SYNONYMS

COVID 19 Nucleocapsid (NP) Coronavirus; Monoclonal Antibody; Anti SARS-CoV-2 Nucleocapsid rabbit mAb (Clone:75G5a); 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Nucleocapsid; Nucleoprotein (NP); anti-COVID-19 antibody

PRODUCT SPECIFICATIONS

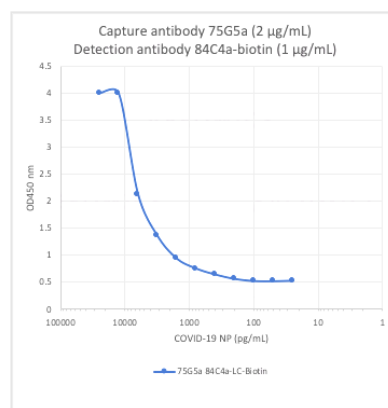
Host	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG1, kappa
Clone Number	75G5a
Purity/Purification	Protein A Chromatography
Form/Format	Purified; 1x PBS, 0.02% NaN3, 50% Glycerol, 0.1% BSA.
Applicable Applications for anti-COVID-19 antibody	ELISA
Immunogen	SARS-CoV-2 nucleoprotein (NP) specific peptide.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze and thaw cycles.

IMAGES



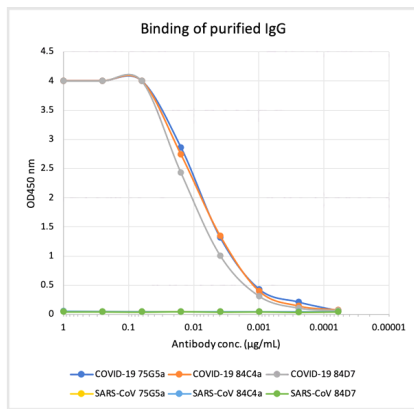
ELISA

Figure-3: A sandwich ELISA was performed using SARS-CoV-2 Nucleocapsid Protein specific rabbit monoclonal antibodies: 75G5a as a capture antibody and 84D7-biotin as a detection antibody. COVID-19 NP was serially diluted 1:2 starting at 25 ng/mL. Rabbit monoclonal antibodies 75G5a and 84D7-biotin detected COVID-19 NP antigen at very high sensitivity as low as 25 pg/mL (25 pg).



ELISA

Figure-2: A sandwich ELISA was performed using SARS-CoV-2 Nucleocapsid Protein (NP) specific rabbit monoclonal antibodies: 75G5a as a capture antibody and 84C4a-biotin as a detection antibody. COVID-19 NP was serially diluted 1:2 starting at 25 ng/mL. Rabbit monoclonal antibodies 75G5a and 84C4a-biotin detected COVID-19 NP antigen at very high sensitivity as low as 100 pg/mL (100 pg).



Application Data

Figure-1: Microtiter wells were coated with SARS-CoV-2 Nucleocapsid Protein and SARS-CoV NP at 1µg/ml. Purified rabbit monoclonal antibodies 75G5a (12-4001), 84C4a (12-4002) and 84D7 (12-4003) were serially diluted 1:2 starting at 1µg/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.

ADDITIONAL INFORMATION

Related Product Information for anti-COVID-19 antibody

SARS-CoV-2 Nucleocapsid antibodies, which include clones 75G5a, 84C4a and 84D7 can be paired in sandwich detection assay and used to detect nucleoprotein (NP) antigen from SARS-CoV-2. These antibodies do not cross-react to the highly related SARS-CoV virus or to any other coronaviruses tested. Sandwich ELISA detection using TMB/acid developer reliably detects NP antigen in the pg/mL range, and sensitivity is expected to be even higher when using more sensitive developer strategies. This panel of antibodies can be used as raw materials for test kits and can be applied to lateral flow systems for test detection of COVID-19.

Product Categories/Family for anti-COVID-19 antibody

[Antibodies](#); [Infectious Diseases](#)

NCBI AND UNIPROT INFORMATION

NCBI GeneID

[43740575](#)

UniProt Accession

[P0DTC9](#)

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/covid-19-nucleocapsid-np-coronavirus-antibody-clone-75g5a-elisa/78548>