

Human anti-SARS-CoV-2 COVID 19 IgM Nucleocapsid (NP) Coronavirus Monoclonal Antibody | anti-COVID-19 antibody

Recombinant Human IgM Anti-nCoV-19 Nucleocapsid Protein mAb

CATALOG # AAA36617	HOST Human	REACTIVITY SARS-CoV-2
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PRODUCT SYNONYMS

COVID 19 IgM Nucleocapsid (NP) Coronavirus; Monoclonal Antibody; Recombinant Human IgM Anti-nCoV-19 Nucleocapsid Protein mAb; 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); IgM; anti-COVID-19 antibody

PRODUCT SPECIFICATIONS

Host	Human
Reactivity	SARS-CoV-2
Clonality	Monoclonal
Isotype	Human IgM
Clone Number	S-89
Specificity	It binds with anti-human IgM Ab, also specifically binds the amino acids 1-419 in the nucleocapsid phosphoprotein of the nCoV (Wuhan strain). Excellent for positive control as standard and calibrators used in immunoassay. May not be suitable for double antigen test, since it is monoclonal Ab. Better used for full length nucleocapsid or N-terminus nucleocapsid amino acids, no reaction for C-terminus of nucleocapsid protein.
Purity/Purification	Affinity purification. >90% by SDS-PAGE
Form/Format	Purified, liquid; 0.015 M potassium phosphate buffer, 0.85% NaCl, 0.05% NaN ₃ pH7.2, with 0.1%BSA
Concentration	1.1mg/ml (OD280nm, $E^{0.1\%} = 1.40$) (varies by lot)
Antibody Type	Recombinant Antibody
Source	Mammalian HEK293 expressed, affinity purified
Immunogen	The original monoclonal antibody was generated by sequencing peripheral blood lymphocytes of a patient exposed to the SARS-CoV-2.
Affinity Constant	Not determined
Preparation and Storage	Store at 2-8 degree C for short term. Long-term storage at -20 degrees C. Preparing antibody stock solutions is recommended before freezing. Antibody stock solutions can be prepared by diluting antibody at 1-10 ug/ml in 1% BSA/PBS, aliquoting into vials and storing frozen at 20 degrees C. Avoid repeated freeze/thaws. If the working solution is under 1 ug/ml and stored at 4 degrees C, use within 24 hours after preparing working solutions of 1 ug/ml or less.

ADDITIONAL INFORMATION

Related Product Information for anti-COVID-19 antibody	Recombinant human IgM anti-nCoV-19 N or SARS-CoV-2 N Ab. Product is from in vitro cell culture, free from human components.
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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.

