

Human COVID 19 Nucleocapsid (NP) IgM Coronavirus ELISA Kit | COVID-19 elisa kit

SARS-CoV-2 Nucleocapsid (NP) IgM ELISA Kit

CATALOG #
AAA60535

REACTIVITY
Human

PRODUCT SYNONYMS

COVID 19 Nucleocapsid (NP) IgM Coronavirus; SARS-CoV-2 Nucleocapsid (NP) IgM ELISA Kit; 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); COVID-19 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Human serum or plasma
Preparation and Storage	The kit should be stored at 2-8 degree C upon receipt.

ADDITIONAL INFORMATION

Related Product Information for COVID-19 elisa kit

Intended Uses: SARS-CoV-2 NP IgM ELISA kit is an enzyme-linked immunosorbent assay (ELISA) for the detection and qualitative measurement of IgM class antibodies against the nucleocapsid protein (NP) of SARS-CoV-2 virus in human blood.

Principle of the Assay: SARS-CoV-2 NP IgM ELISA kit is a two-step incubation immunoassay kit. Recombinant nucleocapsid protein (NP) of SARS-CoV-2 pre-coated onto the polystyrene microwell strips can specifically recognize anti-NP antibodies in human serum or plasma specimens. After a 1-hour incubation, anti-NP antibodies are captured by immobilized NP protein while the unbound components are washed away. Afterwards, a detection solution containing HRP- conjugated anti-human IgM is added for another 1-hour incubation, wherein HRP- conjugated anti-human IgM binds to the IgM class antibodies previously bound to NP protein on the plate. After removal of nonspecific bindings, a HRP substrate solution containing 3,3',5,5'-Tetramethylbenzidine (TMB) is added, resulting in the formation of a blue color. Color reaction is stopped by 2M H₂SO₄, transforming the blue color to yellow signals, which is quantified by an absorbance microplate reader at 450nm. The color intensity is proportional to the amount of anti-NP IgM antibodies captured inside the wells.

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/covid-19-human-elisa-kits/covid-19-nucleocapsid-np-igm-coronavirus/60535>