

COVID 19 Spike S1 IgM Coronavirus ELISA Kit | COVID-19 elisa kit

SARS-CoV-2 Spike S1 IgM ELISA Kit

CATALOG #
AAA13618

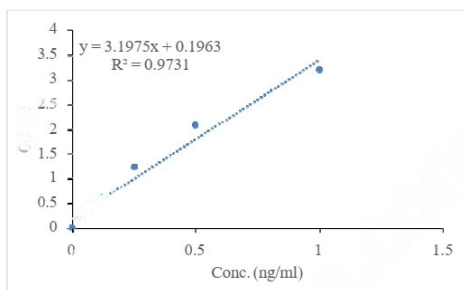
PRODUCT SYNONYMS

COVID 19 Spike S1 IgM Coronavirus; SARS-CoV-2 Spike S1 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; Spike S1 IgM; COVID-19 elisa kit

PRODUCT SPECIFICATIONS

Samples	Serum or plasma samples
Intra-assay Precision	Three different known levels of positive control were spiked into sample buffer as test samples. All samples were tested on the same plate to evaluate intra-assay precision of the kit. The Intra-assay precision of this kit is less than 8%.
Inter-assay Precision	Three different known levels of control were spiked into sample buffer as test samples. All samples were tested in 3 separate assays to evaluate intra-assay precision of the kit. Inter-assay precision of this kit is less than 10%.
Preparation and Storage	The kit should be stored at 2-8 degree C, and all reagents should be equilibrated to room temperature before use. Immediately after use remaining reagents should be returned to cold storage (2- 8 degree C). Expiry of the kit and reagents is stand on labels. Once opened, the strips may be stored at 2-8 degree C for up to one month.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COVID-19 elisa kit	Background: SARS-CoV-2 is an enveloped virus with a positive-sense RNA genome and a nucleocapsid of helical symmetry. The SARS-CoV-2 entry into host cells is mediated by the transmembrane spike (S) glycoprotein, which is the main target of neutralizing antibodies upon infection and the focus of the therapeutic and vaccine design. S comprises two functional subunits responsible for binding to the host cell receptor (S1 subunit) and fusion of the viral and cellular membranes (S2 subunit). The distal S1 subunit comprises the receptor-binding domain (RBD) and contributes to stabilization of the prefusion state of the membrane-anchored S2 subunit that contains the fusion machinery. Principle of the Assay: 96-well plates are coated with SARS-CoV-2 S1 protein that captures antibodies against SARS-CoV- 2 S1 protein in the sample. After washing away unbound materials, captured IgM against SARS-CoV- 2 S1 protein is detected by anti-human IgM polyclonal antibodies conjugated with horse radish peroxidase (HRP). After washing step, the chromogenic substrate 3,3',5,5'-tetramethylbenzidine (TMB) is added. Color reaction is stopped by 2M H2SO4. The amount of IgM class antibodies against SARS-CoV-2 S1 captured inside the wells is proportional to the color density generated in the coupled oxidation-reduction reaction. Intended Uses: SARS-CoV-2 S1 IgM ELISA Kit is a highly sensitive and specific immunoassay for quantitative GHWHFWLRQ RI IgM class antibodies against the S1 of SARS-CoV-2 in human blood.
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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.

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Online datasheet: <https://www.aaabiotech.com/covid-19-elisa-kits/covid-19-spike-s1-igm-coronavirus/13618>