

COVID 19 Spike Protein S1 RBD Coronavirus ELISA Kit | COVID-19 elisa kit

SARS-CoV-2 Spike Protein S1 RBD ELISA Kit

CATALOG #
AAA22163

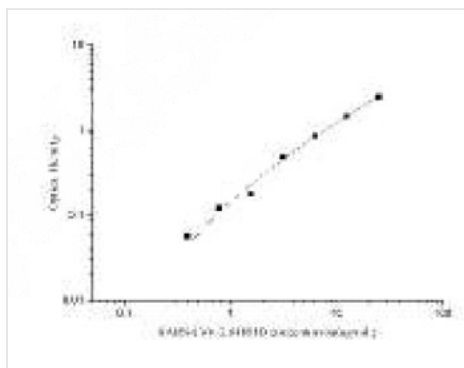
PRODUCT SYNONYMS

COVID 19 Spike Protein S1 RBD Coronavirus; SARS-CoV-2 Spike Protein S1 RBD 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 Protein S1 RBD; Receptor Binding Domain; COVID-19 elisa kit

PRODUCT SPECIFICATIONS

Specificity	This kit recognizes SARS-CoV-2 S1RBD in the tested samples. No significant cross-reactivity or interference between S1RBD and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other appropriate biological fluids from pneumonia patients infected with SARSCoV- 2
Detection Range	0.39-25ng/mL
Sensitivity	0.09ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level SARS-CoV-2 S1RBD were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level SARS-CoV-2 S1RBD were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	The unopened kit can be stable for 6 months at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COVID-19 elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to SARS-CoV-2 S1RBD. Samples (or Standards) and biotinylated detection antibody specific for SARS-CoV-2 S1RBD are added to the micro ELISA plate wells. SARS-CoV-2 S1RBD would combine with the specific antibody. Then Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain SARS-CoV-2 S1RBD, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 ± 2 nm. The OD value is proportional to the concentration of SARS-CoV-2 S1RBD. You can calculate the concentration of SARS-CoV-2 S1RBD in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of SARS-CoV-2 Spike Protein S1 RBD (S1RBD) concentrations in serum, plasma and other appropriate biological fluids from pneumonia patients infected with SARSCoV- 2.
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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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/covid-19-elisa-kits/covid-19-spike-protein-s1-rbd-coronavirus/22163>