

COVID 19 Neutralization Antibody Coronavirus ELISA Kit | COVID-19 elisa kit

Human SARS-CoV-2 Neutralization Antibody ELISA Kit

CATALOG #
AAA177765

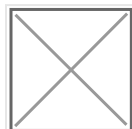
PRODUCT SYNONYMS

COVID 19 Neutralization Antibody Coronavirus; Human SARS-CoV-2 Neutralization Antibody 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; Neutralization; COVID-19 elisa kit

PRODUCT SPECIFICATIONS

Samples	Human serum or plasma
Assay Type	Quantitative Competitive
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level SARS -CoV-2 Nab 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 Nab were tested on 3 different plates, 20 replicates in each plate, respectively.
Preparation and Storage	The unopened kit can be stable for 6 months at 2-8 degree C. After opening the kit, keep the reagents according to the conditions on the next page.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COVID-19 elisa kit

Intended Uses: This ELISA kit applies to the in vitro semi-quantitative determination of Neutralization antibodies against SARS-CoV-2 in human serum or plasma.

Principle of the Assay: This Test kit uses Competitive-ELISA as the method to semi-quantitatively detect the Anti-SARS-CoV-2 Neutralization Antibody in the sample. The micro ELISA plate provided in this kit is pre-coated with recombinant human ACE2. During the reaction, the SARS-CoV-2 Neutralization Antibody in the pretreated samples or standards/controls competes with a fixed amount of human ACE2 on the solid phase supporter for sites on the Horseradish peroxidase (HRP) conjugated recombinant SARS-CoV-2 RBD fragment (HRP-RBD). After 37 degree C incubation, the unbound HRP-RBD as well as any HRP-RBD bound to non-Neutralization antibody will be captured on the plate and eventually form the ACE2-RBD-HRP complex, while the circulating neutralization antibodies HRP-RBD complexes remain in the supernatant and are removed during washing. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of SARS-CoV-2 Neutralization Antibody in the samples is then determined by comparing the OD of the samples to the standard curve.

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.