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Datasheet for ABIN6952758

SARS-CoV-2 N-Protein IgA Antibody ELISA Kit

Overview

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|--------------|----------------------------------------|
| Quantity: | 96 tests |
| Target: | SARS-CoV-2 N-Protein IgA Antibody |
| Reactivity: | Human, SARS Coronavirus-2 (SARS-CoV-2) |
| Method Type: | Indirect ELISA |
| Application: | ELISA |

Product Details

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|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose: | COVID-19 (SARS-CoV-2) N-Protein Human Antibody Detection Kit (Indirect ELISA method) for the semi-quantitative measurement of human IgA antibody against SARS-CoV-2 in serum or plasma. |
| Sample Type: | Plasma, Serum |
| Analytical Method: | Semi-Quantitative |
| Detection Method: | Colorimetric |
| Characteristics: | COVID-19 N-Protein Human IgA ELISA Kit |
| Components: | <ul style="list-style-type: none">• SARS-CoV-2 N-protein coated 96-well microplate• Wash Buffer• Stop Solution• Assay Diluent• Positive Control• HRP-anti positive control IgG Antibody• TMB One-Step Substrate |
| Material not included: | <ul style="list-style-type: none">• Distilled or deionized water |

Product Details

- Precision pipettes to deliver 2 µL to 1 µL volumes
- Adjustable 1-25 µL pipettes for reagent preparation
- 100 µL and 1 liter graduated cylinders
- Tubes to prepare standard and sample dilutions
- Absorbent paper
- Microplate reader capable of measuring absorbance at 450nm
- Log-log graph paper or computer and software for ELISA data analysis

Target Details

Target: SARS-CoV-2 N-Protein IgA Antibody

Target Type: Antibody

Application Details

Plate: Pre-coated

Protocol: This COVID19 human IgA antibody ELISA kit employs an indirect ELISA method. In this kit, standard 96-well plates (12 strips with 8 wells/strip) are coated with the SARSCoV-2 N protein, which combines with the corresponding antibody present in a sample. When a secondary anti-human Antibody-HRP is added, a complex of Antibody-HRP human IgA antibody-virus N antigen forms on the microplate. A TMB substrate is added and a blue color is generated. The depth of color is relative to the amount of the anti-SARS-CoV-2 IgA antibody present. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Assay Procedure:

1. Prepare all reagents, samples and standards as instructed.
2. Add 100 µL positive control or sample to each well. Incubate 1.5 hours at room temperature.
3. Add 100 µL prepared HRP- anti positive control IgG Antibody and/or 100 µL of prepared HRP- anti Human IgG Antibody to each well. Incubate 1 hour at room temperature.
4. Add 100 µL TMB One-Step Substrate Reagent to each well. Incubate 10 minutes at room temperature.
5. Add 50 µL Stop Solution to each well. Read at 450 nm immediately.
6. Read at 450 nm immediately.

Restrictions: For Research Use only

Handling

Storage: -20 °C

Storage Comment: The entire kit may be stored at -20°C for up to 1 year from the date of shipment. Avoid repeated

Handling

freeze-thaw cycles. The kit may be stored at 4°C for up to 6 months. For extended storage, it is recommended to store at -80°C.

Expiry Date: 12 months