

DATA SHEET

Product Name: (SARS-CoV-2) Nucleoprotein IgG Antibody ELISA Kit

Catalog #: CV-4006

Size: 1 kit - 96 Assays

Sample Type: Serum, Plasma

Components:

Micro ELISA Plate | 8 x 12 strips
Negative Control | 800 µl
Positive Control | 800 µl
HRP Conjugate (100x) | 120 µl
HRP Conjugate Diluent | 20 ml
Sample Diluent | 20 ml
Wash Buffer (25x) | 20 ml
TMB Substrate | 10 ml
Stop Solution | 10 ml
Plate sealers | 4

Storage:

The entire kit may be stored at 4°C for up to 12 months from the date of shipment. An opened kit may be stable for 1 month at 4°C

Description:

Severe acute respiratory syndrome (SARS) is a viral respiratory illness caused by a coronavirus called SARS-associated coronavirus (SARS-CoV). The coronavirus genome encodes a spike protein (S), an envelope protein, a membrane protein, and a nucleoprotein in this order. Nucleoprotein packages the positive strand viral genome RNA into a helical ribonucleocapsid (RNP) and plays a fundamental role during virion assembly through its interactions with the viral genome and membrane protein (M). (SARS-CoV-2) Nucleoprotein IgG Antibody ELISA Kit is based on indirect qualitative enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with (SARS-CoV-2) Nucleoprotein. Samples are pipetted into the wells with anti-human IgG conjugated Horseradish Peroxidase (HRP). Any antibodies specific for the antigen present will bind to the pre-coated antigen. Following a wash to remove any unbound reagent, a substrate solution is added to the wells and color develops in proportion to the amount of (SARS-CoV-2) Nucleoprotein IgG antibody bound in the initial step. The color development is stopped by adding stop solution and the intensity of the color is measured.

Application:

This ELISA kit is used for in vitro qualitative determination of (SARS-CoV-2) Nucleoprotein IgG Antibody. Intra-assay Precision: CV% <15% Inter-assay Precision: CV% <15%

For research use only. Not for use in humans.