

Bioassayplus Inc.

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Product Specification Sheet

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product name: Paired monoclonal antibodies to Covid 19 nucleoprotein.

Catalog #: 2-Mab-Covid-NP

Description: Covid-19 (coronavirus) also known as: SARS-CoV-2, 2019 Novel Coronavirus or Wuhan Coronavirus.

Bench top study by using the paired Covid-Mab3 and Covid-Mab4 can detect low level recombinant Covid 19 nucleoprotein to 180pg/ml. Lowest detection (LoD) of TCID₅₀/ml for the inactivated SARS-CoV-2 virus WA1/2020 (NR-52286) from ATCC was 6.6×10^3 , this number is comparable to some Covid antigen rapid tests approved by FDA. In this study, Covid Mab4 was used as conjugate and Mab3 as capture/coating. But each laboratory could develop their own protocol based on their experience and expertise.

Two independent clinical studies were finished. One blinded fashion clinical study conducted in Philippines, USA, and India containing 193 infected Covid 19 patients, the study showed 91.6% sensitivity for 193 infected patients and 100% specificity for 903 peoples without the infection. This test has been approved by CE marker and Health Canada.

Another randomly enrolled clinical study conducted in Nigeria containing 166 infected Covid 19 patients, the study showed 89.5% in the sensitivity, and 98.5% specificity for 67 uninfected individuals.

New random test for Omicron variant from January to February 2022 showed 100% positive for 25 Omicron patients and 100% specificity for the 50 uninfected people in Canada.

Source: mouse

Format: Purified, Liquid

Purification: purified by protein A affinity column

Concentration: Covid-Mab4: 10mg/ml
Covid-Mab3: 10mg/ml

Buffer: Phosphate buffered saline pH 7.4

Preservative: 0.05% Sodium azie

Applications: Lateral flow rapid test

Storage: 4°C for 2 weeks, -20°C for 2 years, avoid multiple thaw and freezin