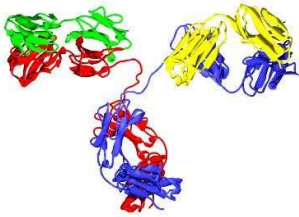


# Anti-human IgG Monoclonal antibodies



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**High purity**  
**High concentration**  
**Formulation on request**

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### **Analytical :**

- 1 ELISA
  - 2 Lateral flow assay
  - 3 Western Blot/Dot Blot
- Protocol available on request
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### **Order**

Quantities on request

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## **Background**

The severe respiratory disease SARS-CoV-2 (COVID-19) has emerged in December 2019 and spread all over the world. SARS-CoV-2 is a single-stranded RNA virus that belongs to the coronavirus  $\beta$  genus, structural proteins of which include S proteins, N proteins, M proteins, and E proteins. This novel coronavirus is mainly transmitted by aerosol like respiratory droplets generated during coughing and sneezing by symptomatic patients. Real time reverse-transcription polymerase chain reaction (RT-PCR), the usual detection method for common respiratory virus is also the primary diagnostic means for COVID-19. Moreover, the lateral flow immunoassay are used to detect IgM and IgG antibodies against COVID-19 in human blood samples simultaneously. Tests to detect antibody responses to COVID-19 in the population will be critical to support the development of vaccines, and to add to our understanding about the disease.

## **Product**

The anti-human IgG monoclonal antibodies are used to specifically detect human antibodies against the spike (S) and nucleocapside (N) proteins of COVID-19. A COVID-19 antibody test, also known as a serology test, is a blood test that can detect if a person has antibodies to SARS-CoV-2. COVID-19 antibody tests can help to identify people who may have been infected with the SARS-CoV-2 virus or have recovered from the COVID-19 infection, as well as for vaccinology studies.

## **Technical data**

These antibodies have been raised against purified human immunoglobulins G. They are purified from *in vitro* produced supernatant, by Protein G Antibody affinity chromatography.

Various clones are available for testing.

Isotype: mouse IgG

## **Application**

This product can be used by RDT and ELISA manufacturers.