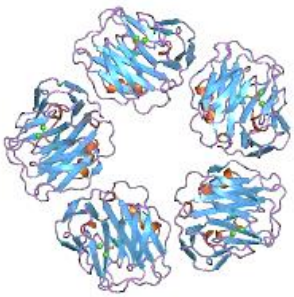
Anti-human IgM
Monoclonal antibody



High purity
High concentration
Formulation on request

Analytical

1 *ELISA*

2 *Lateral flow assay*

3 *Western Blot/Dot Blot*

Protocol available on request

Order

On request

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 β 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 IgM monoclonal antibodies are used to specifically detect the human antibodies against the Spike (S) and Nucleocapside (N) proteins of SARS-CoV-2 The assay is called COVID-19 antibody test, also known as a serology test. COVID-19 IgM antibody tests can help for disease surveillance, vaccinology and epidemiologic research.

Technical data

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

Two clones are available for testing.

Isotype: Mouse IgG

Application

This product can be used by RDT and ELISA manufacturers

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