

# Rapid Coronavirus (COVID-19) Lateral Flow Assays IgG & IgM By Abcam



The novel coronavirus (nCoV-2019) outbreak in Wuhan, China has spread rapidly nationwide, with some cases occurring in other parts of the world. Although most patients present with mild febrile illness with patchy pulmonary inflammation, a significant portion develop severe acute respiratory distress syndrome (ARDS), with a current case fatality of 2.3-3%.

## Product List:

- **Novel Coronavirus IgG Antibody Detection Kit (SARS-CoV-2)** [Catalog: ab272243]
- **Novel Coronavirus IgM Antibody Detection Kit (SARS-CoV-2)** [Catalog: ab272244]



More Info  
Abcam Official Website:  
[www.abcam.com](http://www.abcam.com)

Distributor Info  
BioSM Official Website:  
[www.biosm-indonesia.com](http://www.biosm-indonesia.com)





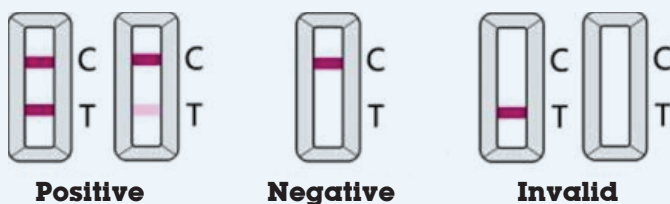
The detection kit uses the principle of immunochromatography: the separation of components in a mixture through a medium using capillary force and the specific and rapid binding of an antibody to its antigen.

Each cassette is a dry medium that has been coated separately with novel coronavirus N protein ("T" test line) and goat antichickhen IgY antibody ("C" control line). Two free colloidal gold-labeled antibodies, mouse anti-human IgG (mIgG) and chicken IgY, are in the release pad section (S). Once diluted serum, plasma, or whole blood is applied to the release pad section, the mIgG antibody will bind to coronavirus IgG antibodies if they are present, forming an IgG-IgG complex. The sample and

antibodies will then move across the cassette's medium via capillary action. If coronavirus IgG antibody is present in the sample, the test line (T) will be bound by the IgG-IgG complex and develop color. If there is no coronavirus IgG antibody in the sample, free mIgG will not bind to the test line (T) and no color will develop. The free chicken IgY antibody will bind to the control line (C); this control line should be visible after the detection step as this confirms that the kit is working properly.

#### Positive for Coronavirus:

Both the test line (T) and the quality control line (C) are colored.



#### Negative for Coronavirus:

The test line (T) does not develop color, but the quality control line (C) is colored.

#### Invalid:

There is no colored control line (C) band. The results are invalid regardless of whether a red band appears on the test line (T); additional testing is required.

**Note:** Regardless of the color saturation present of the band on the test line (T), even a very weak band should be judged as a positive result.

Product	Catalog	Brand	Size	Sample Type	Reactivity/Time
Novel Coronavirus IgG Antibody Detection Kit (SARS-CoV-2)	ab272243	Abcam	20 Test	Serum, Plasma, Whole Blood	Human/8-10 min.
Novel Coronavirus IgM Antibody Detection Kit (SARS-CoV-2)	ab272244	Abcam	20 Test	Serum, Plasma, Whole Blood	Human/8-10 min.