Anti-SARS-CoV & CoV-2 Spike IgM Antibody [Clone CR3022]

Catalog Number	LDG0081YA
Package	50 µg / Customized package

For full product information, images and publications, please visit our website.

Overview

Description

Human anti-SARS-CoV-2 Spike Antibody [CR3022] recognizes human SARS-CoV and CoV-2 spike protein with high affinity. The binding site is amino acids 318-510 (RBD, Receptor Binding Domain) in the S1 subunit of the spike protein. Coronavirus spike protein conducts the process that interacts with cellular receptor and membrane fusion to allow virus entering into target cells. Spike protein also can be used to define the specificity of the virus and be used as a critical target for vaccine design. The glycosylated spike protein can be detected in the virus-infected cell and cell culture medium. The RBD is responsible for recognizing the cell surface receptor.

Product Note

Recommended dilution factor:
ELISA: 1:5000-20000
NTRL: Assay dependent
SPR: Assay dependent
Crystallography: Assay dependent

Note: Working dilution for specific application should be determined by the investigator to obtain the best conditions.

Specifications

Clonality	Isotype
Recombinant Human IgM	IgM

Clone Name	Reactivity
clone CR3022	SARS-CoV & CoV-2

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Application	**Conjugation**
ELISA, NTRL, SPR, Crystallography	Unconjugated
Concentration	**Buffer**
0.5 mg/mL	Phosphate Buffered Saline, pH 7.4.
Specificity	**Form**
Spike protein	Liquid

Instruction

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at 2-8°C for long term storage.

Stability & Storage

This product is stable after storage at:

- 2-8°C for 6 months under sterile conditions from date of receipt.

Briefly centrifuge vials before opening.

Image
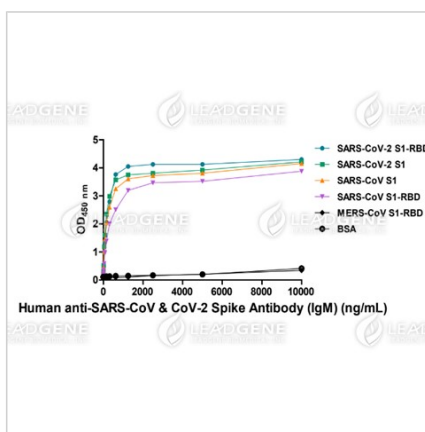
ELISA titration of Human anti-SARS-CoV & CoV-2 Spike Antibody (IgM)

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