BT LAB
Bioassay Technology Laboratory

Optimize Your Research

Anti-Covid-19 N protein mAb IgG(06FC)

Description

Product type	Primary Antibody
Code	BT-CV00001
Host	Mouse
Isotype	IgG
Size	100ug, 1mg
Immunogen	The recombinant SARS-CoV-2 (2019-nCoV) N Protein
Mol wt	N/A
Species reactivity	Covid-19
Clonality	Monoclonal
Recommended application	WB,ELISA
Concentration	2mg/mL
Full name	SARS-CoV-2 Nucleoprotein , 2019-nCoV Nucleoprotein, Covid-19 Nucleoprotein
Synonyms	SARS-CoV-2 Nucleoprotein , 2019-nCoV Nucleoprotein, Covid-19 Nucleoprotein

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Coronaviruses are enveloped viruses with a positive-sense RNA genome and with a nucleocapsid of helical symmetry. Coronavirus nucleoproteins localize to the cytoplasm and the nucleolus, a subnuclear structure, in both virus-infected primary cells and in cells transfected with plasmids that express N protein. Coronavirus N protein is required for coronavirus RNA synthesis, and has RNA chaperone activity that may be involved in template switch. Nucleocapsid protein is a most abundant protein of coronavirus. During virion assembly, N protein binds to viral RNA and leads to formation of the helical nucleocapsid. Nucleocapsid protein is a highly immunogenic phosphoprotein also implicated in viral genome replication and in modulating cell signaling pathways . Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool. COVID-19 antibodies can be produced by a host immune system following exposure to SARS-CoV-2. IgG and IgM antibodies are also known as immunoglobulins IgG and IgM, respectively, and are among the antibody isotypes produced by vertebrate immune systems.

Recommended Dilution

ELISA: 1:5000 - 1:100000

WB: 1:1000 - 1:10000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year

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