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29-1006: SARS-CoV-2 Nucleocapsid Antibody (Clone: 1G5)

Clonality :	Monoclonal
Clone Name :	1G5
Application :	ELISA,WB
Format :	Purified
Alternative Name :	Anti-coronavirus NP Antibody; Anti-coronavirus Nucleocapsid Antibody; Anti-coronavirus Nucleoprotein Antibody; Anti-cov np Antibody; Anti-ncov NP Antibody; Anti-NCP-CoV Nucleocapsid Antibody; Anti-novel coronavirus NP Antibody; Anti-novel coronavirus Nucleocapsid Antibody; Anti-novel coronavirus Nucleoprotein Antibody; Anti-np Antibody; Anti-nucleocapsid Antibody; Anti-COVID-19 Nucleoprotein Antibody
Isotype :	Mouse IgG1
Immunogen Information :	2019 nCOV N protein.

Description

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.

Product Info

Amount :	100 µg
Purification :	Protein A
Content :	CB buffer, pH 7.5
Storage condition :	2?-8?for 6 months,-20? for 12 months(Avoid Repeated freeze / thaw cycles.)

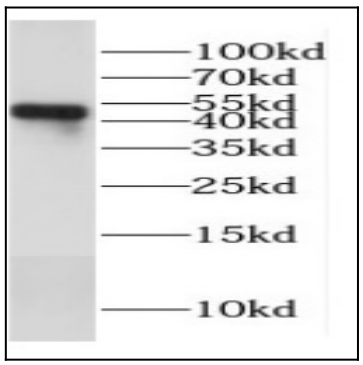

Fig.1: Western Blot analysis: 2019 nCOV N protein were subjected to SDS PAGE followed by western blot with 29-1006 (anti- 2019 nCOV N protein Monoclonal antibody) at dilution of 1µg/ml.