

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

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| 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 Nucl |
| Isotype : | Mouse IgG1 |

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

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

