Anti-SARS-CoV-2 Nucleocapsid Antibody, Human IgG1

Catalog # AMS.NUN-S42A1

Source

Anti-SARS-CoV-2 Nucleocapsid Antibody, Human IgG1 (AMS.NUN-S42A1) is isolated from a SARS-CoV-2 infected patient and is recombinantly produced from human 293 cells (HEK293).

Isotype

Human IgG1/kappa

Specificity

The cross-reactivity with other coronaviruses has not been tested yet.

Application

This antibody can be paired with other Anti-SARS-CoV-2 Nucleocapsid antibodies to detect SARS-CoV-2 Nucleocapsid protein in sandwich ELISA or LFA assay.

Purity

>95% as determined by SDS-PAGE.

Formulation

Delivered as bulk protein in a 0.2 μm filtered solution of PBS, pH7.4 with trehalose as protectant.

Storage

For long term storage, the product should be stored in liquid state at 2-6°C upon receipt.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- The product MUST be stored at 2-6°C upon receipt.
- The product is validated to be stable after storage at 4°C for 3 months under sterile conditions.

Shipping

This product is supplied and shipped as sterile liquid solution with blue ice, please inquire the shipping cost.

Background

Nucleocapsid protein is a most abundant protein of coronavirus. Nucleocapsid protein is a highly immunogenic phosphoprotein also implicated in viral genome replication and in modulating cell signaling pathways. While screening for ADP-ribosylated proteins during coronavirus (CoV) infection, we identified as the viral nucleocapsid (N) protein. Novel post-translation modification of the CoV N protein that may play a regulatory role for this important structural protein. The array of diverse functional activities accommodated in the hantaviral N protein goes far beyond to be a static structural protein and makes it an interesting target in the development of antiviral therapeutics. Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool.

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