

SARS-CoV-2 Nucleocapsid (N) Protein

Antigen Specification

Product Number: 46000

Description:

SARS-CoV-2 Nucleocapsid (N) Protein.
Recombinant antigen for in vitro research and manufacturing use only.

Calculated molecular weight:

47,3 kDa

Calculated isoelectric point:

pH 10.07

Immunological function:

Binds IgG-type/IgM/IgA-type human antibodies.

Immunological tests/Functionality:

ELISA, immunodot analyses and line assay analyses with positive/negative serum samples.

Origin:

Recombinant. Expressed by recombinant baculovirus (*Autographa californica* multiple nuclear polyhedrosis virus; AcMNPV) infection of *Spodoptera frugiperda* Sf9 insect cells.

Recommended buffer/storage and handling conditions:

Recommendations for storage buffer: neutral to slightly alkaline pH and 20% glycerol as cryoprotective agent.
Storage conditions: -70°C or below.
Repeated freeze/thaw cycles should be avoided.

Expression construct:

Full-length cDNA coding for the SARS-CoV-2 Nucleocapsid Protein fused to a deca-histidine purification tag.

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Biochemical tests:

SDS-PAGE (purity > 80%); Western blot with patient sample.