

SARS-CoV-2 Nucleocapsid Protein

Catalog #: 0572-001

Description:

SARS-CoV-2 N-protein (His-tag) is produced in *E. coli* and is purified by FPLC. Theoretical MW ~47 kDa.

Formulation & Storage: Supplied in HEPES buffer with sodium salt. **Store at** -20°C for 2-3 weeks, -80°C for long term.

Notes & Usage Guidelines:

ELISA: Assay-dependent dilution

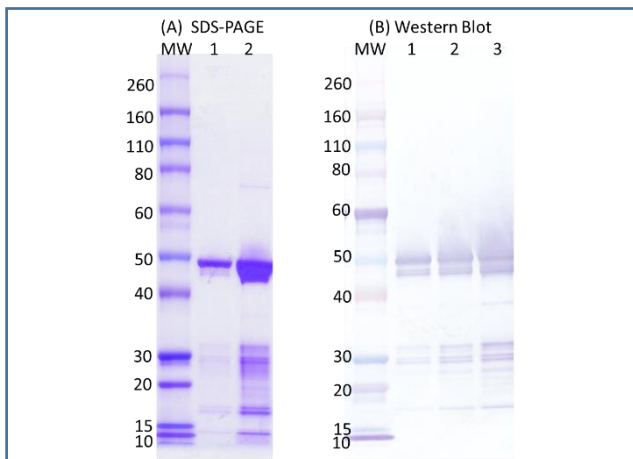
WB: Assay-dependent dilution

Applications

SDS-PAGE and Western Blot Data:

(A) SDS-PAGE and stain demonstrating 1 µg and 5 µg (Lanes 1 and 2) of SARS-CoV-2 Nucleocapsid protein under denaturing and reducing conditions. MW denotes Novex® Sharp prestained protein marker.

(B) Western blot detection of Nucleocapsid protein at 25 ng, 50 ng and 100 ng (Lanes 1-3) using rabbit anti-N pAb and anti-rabbit IgG-HRP conjugate, followed by TMB membrane substrate.



ELISA Data:

Plate was coated with SARS-CoV-2 Nucleocapsid protein starting at 400 ng/well, serially diluted 2-fold in DPBS. Washed plate was probed using one dilution of the rabbit anti-N pAb and detected with anti-rabbit IgG HRP conjugate followed by TMB substrate. OD650 is reported below. Background was 0.072 OD650.

SARS-CoV-2 Nucleocapsid ng/well	OD 650 nm
400.000	3.654
200.000	3.650
100.000	3.660
50.000	3.606
25.000	3.458
12.500	3.364
6.250	3.126
3.125	2.651
1.563	2.001
0.781	1.447

Certificate of analysis:

A hardcopy of datasheet is sent along with the products. Please refer to it for detailed information. For older lots, refer to the applicable certificate of analysis that may be requested at services@ibtbioservices.com

Related Products:

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