

Recombinant Nipah virus Pre-Fusion Glycoprotein (Bangladesh strain)

Catalog #:0580-002

Description:

Recombinant Nipah virus pre-fusion glycoprotein (Bangladesh strain) (NiV_BF) with His-tag at the C-terminus, expressed in Expi293 cells purified using Ni-NTA column.

Formulation & Storage: Supplied in Phosphate buffer supplemented with sodium chloride, arginine, glutamic acid and 10% glycerol. **Store at -80°C** for long term.

Notes & Usage Guidelines:

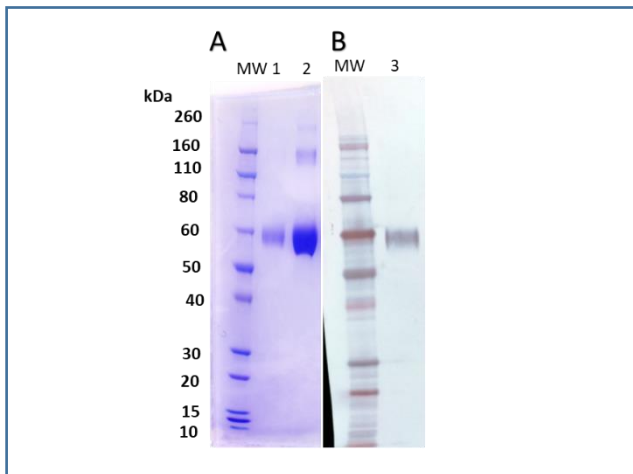
ELISA: Assay-dependent dilution

WB: Assay-dependent dilution

Applications

SDS-PAGE and Western Blot Data:

(A) SDS-PAGE and stain demonstrating 1 µg and 3 µg (Lanes 1 and 2 respectively) of NiV_BF His-tag under denaturing and reducing conditions. MW denotes Novex® Sharp prestained protein marker. (B) Western blot detection of NiV_BF His-tag at 200 ng (Lane 3) using a mouse Penta-His antibody at 0.2 µg/mL, followed by anti-mouse IgG-HRP conjugate and visualized using TMB membrane substrate.



ELISA Data:

Plate was coated with NiV_BF His-tag at 2 µg/mL. After a washing step, followed by blocking against non-specific binding, NiV_BF His-tag was detected using an anti-Nipah virus pre-fusion glycoprotein antibody starting at 5 µg/mL followed by semi-log serial dilutions. The bound complex was detected using anti-human IgG HRP conjugate and TMB substrate. OD₆₅₀ is reported.

Anti-Nipah virus pre-fusion glycoprotein monoclonal antibody (µg/mL)	OD 650 nm
5.0000	2.99
1.58	2.83
0.50	2.87
0.15	2.59
0.050	2.32
0.0158	1.80
0.0050	1.02
0.00158	0.45
0.0005	0.19
0.00015	0.11

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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