

Recombinant Nipah virus (Bangladesh strain) Attachment G Protein

Catalog #: 0580-001

Description:

Recombinant Nipah virus (Bangladesh strain) attachment G (NiV_BG) protein (residue 171-605) with His-tag at the C-terminus, expressed in stably transfected *Drosophila* Schneider 2 (S2) cells, purified using Ni²⁺ Magbeads.

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

Notes & Usage Guidelines:

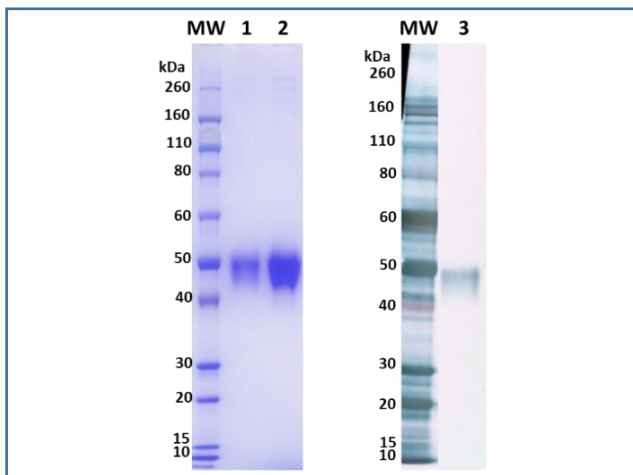
ELISA: Assay-dependent dilution

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_BG His-tag under denaturing and reducing conditions. MW denotes Novex® Sharp prestained protein marker. (B) Western blot detection of NiV_BG 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_BG His-tag at 200 ng/well. After a washing step, followed by blocking against non-specific binding, NiV_BG His-tag was detected using an anti-Nipah virus G protein monoclonal antibody starting at 1 µg/mL, followed by five-fold serial dilutions. The bound complex was detected using anti-human IgG HRP conjugate and TMB substrate. OD650 is reported below.

Anti-Nipah virus G protein mAb (µg/mL)	OD 650 nm
1.0000	2.774
0.1667	3.156
0.0333	3.124
0.0067	2.639
0.0013	1.474
0.0003	0.652
0.0001	0.276
0.0000	0.175

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

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