

Recombinant Nipah virus (Bangladesh strain) Attachment G protein

Catalog #: 0580-001

Lot #: 2203001

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.

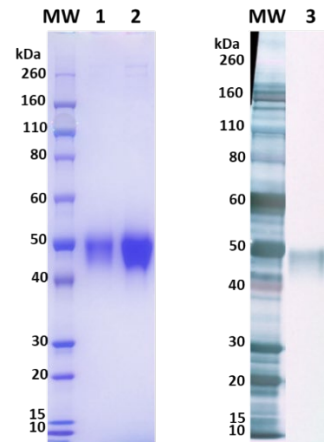
Storage: -80°C long term

Size: 100 µg of protein supplied at a concentration of 2.812 mg/mL in TRIS buffer supplemented with sodium chloride, arginine, glutamic acid and 10% glycerol.

Relevance: Recombinant protein as a tool to enhance research.

Related Products: IBT provides a wide array of anti-filovirus specific antibodies and other infectious disease reagents. Please see our website, www.ibtbioservices.com for more details.

SDS-PAGE & Western Blot Detection



(A) SDS-PAGE and stain demonstrating 1 µg and 3 µg (lanes 1, 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

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

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.

Intended for research use only, not for human, therapeutic, or diagnostic applications.

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