

Recombinant Sin Nombre Virus Glycoprotein (GPC) minus the Transmembrane Domain (SNV GPC Δ TM)

Catalog #: 0517-002

Description:

Recombinant, HIS-tagged Sin Nombre Virus Glycoprotein (GPC) minus the transmembrane domain (SNV GPC Δ TM) is supplied as purified protein. The recombinant protein is produced in mammalian cells and is purified by FPLC.

Formulation & Storage: Supplied in 20mM TrisHCl pH-8, 0.15M NaCl, 5% Sucrose. **Store at:** -20°C for 1 week, -80°C for long term.

Notes & Usage Guidelines:

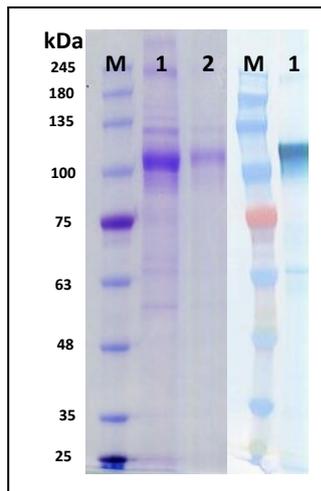
ELISA: Assay-dependent dilution

WB: Assay-dependent dilution

Applications

SDS-PAGE and Western Blot Data:

(A) SDS-PAGE and stain demonstrating 3 μ g, 1 μ g of SNV GPC Δ TM HIS-Tag protein under denaturing and reducing conditions (Lanes 1 and 2, respectively). M denotes CozyHi pre-stained protein markers. (B) Western blot detection of SNV GPC Δ TM at 300 ng under denaturing and reducing conditions (Lane 1). SNV GPC Δ TM was detected using mouse Anti-HIS at 1:1000 dilution and anti-mouse IgG-HRP conjugate, followed by TMB substrate.



Capture ELISA Data:

SNV(GPC Δ TM) was coated to a plate at a concentration of 2 μ g/mL in PBS. Mouse Anti-Sin Nombre Virus GP polyclonal antibody (IBT Cat# 0309-001) was serially diluted semi-log from 5 μ g/mL and incubated with the coated plate. Washed plates were detected with anti-mouse HRP conjugate and TMB substrate. OD₆₅₀ was reported below.

Antibody Concentration (μ g/mL)	Average OD ₆₅₀
5.0000	3.11045
1.5823	2.9736
0.5007	2.782
0.1585	2.3371
0.0501	1.573
0.0159	0.84255
0.0050	0.37685
0.0016	0.2268
0.0005	0.12875
0.0002	0.15355
0.0001	0.0812

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:

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

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