

Synonym

Nucleocapsid protein/NP (Influenza Virus)

Source

Influenza B virus (PHUKET/3073/2013) NP (B/Yamagata lineage) Protein, His Tag (NPB-V55H3) is expressed from Baculovirus-Insect cells. It contains AA Met 1 - Tyr 560 (Accession # EPI529338, GISAID).
Predicted N-terminus: Met 1

Molecular Characterization

Nucleocapsid protein/NP (Influenza Virus)(Met 1 - Tyr 560) EPI529338	Poly-his
---	----------

This protein carries a polyhistidine tag at the C-terminus.
The protein has a calculated MW of 63.5 kDa. The protein migrates as 55-80 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Supplied as 0.2 µm filtered solution in 50 mM Tris, 500 mM NaCl, pH7.5 with glycerol as protectant.
Contact us for customized product form or formulation.

Shipping

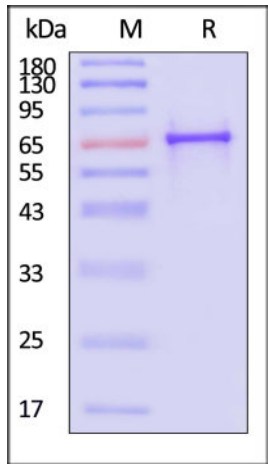
This product is supplied and shipped with dry ice, please inquire the shipping cost.

Storage

Please avoid repeated freeze-thaw cycles.

- This product is stable after storage at:
- The product MUST be stored at -70°C or lower upon receipt;
 - -70°C for 3 months under sterile conditions.

SDS-PAGE



Influenza B virus (PHUKET/3073/2013) NP (B/Yamagata lineage) Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

Bioactivity-ELISA

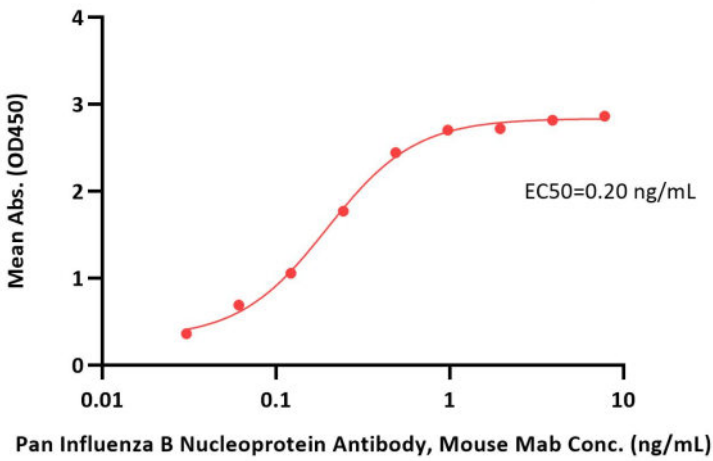


Influenza B virus (PHUKET/3073/2013) NP (B/Yamagata lineage) Protein, His Tag

Catalog # NPB-V55H3



Influenza B virus (PHUKET/3073/2013) NP (B/Yamagata lineage) Protein, His Tag ELISA
0.1 µg of Influenza B virus (PHUKET/3073/2013) NP (B/Yamagata lineage) Protein, His Tag per well



Immobilized Influenza B virus (PHUKET/3073/2013) NP (B/Yamagata lineage) Protein, His Tag (Cat. No. NPB-V55H3) at 1 µg/mL (100 µL/well) can bind Pan Influenza B Nucleoprotein Antibody, Mouse Mab with a linear range of 0.03-1 ng/mL (QC tested).

Background

Influenza, commonly known as ‘the flu’, is an infectious disease of birds and mammals caused by RNA viruses of the family Orthomyxoviridae, the influenza viruses. Influenza viral nucleoprotein (NP) is highly conserved and the most abundant non-enzymatic viral protein in infected cells. NP is a key component of the viral ribonucleoproteins (vRNPs) complex, and its recognized functions include, but are not limited to, binding to RNA and oligomerizing for the vRNP complex, undergoing intracellular trafficking, and participating in the switch from mRNA transcription to vRNA replication.

Discounts, Gifts,
and more!

