



Synonym

Polymerase acidic protein

Source

Influenza A virus (strain A/Victoria/3/1975 H3N2) Polymerase acidic Protein, His Tag(PON-V51H3) is expressed from E. coli cells. It contains AA Met 1 - Gly 209 (Accession # [P31343-1](#)).

Predicted N-terminus: Met 1

Molecular Characterization

Polymerase acidic protein(Met 1 - Gly 209)
P31343-1 Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 26.5 kDa. The protein migrates as 28-30 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under non-reducing (NR) condition (SDS-PAGE).

Purity

>90% as determined by SDS-PAGE.

Formulation

Supplied as 0.2 µm filtered solution in PBS, 0.5 M Arginine, 50% Glycerol, pH7.4 with trehalose 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.

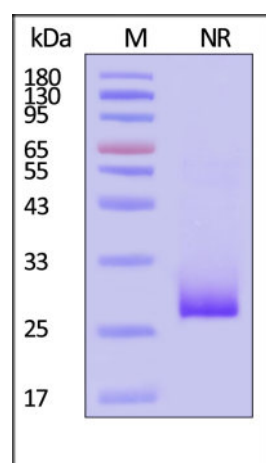
Storage

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 A virus (strain A/Victoria/3/1975 H3N2) Polymerase acidic Protein, His Tag on SDS-PAGE under non-reducing (NR) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

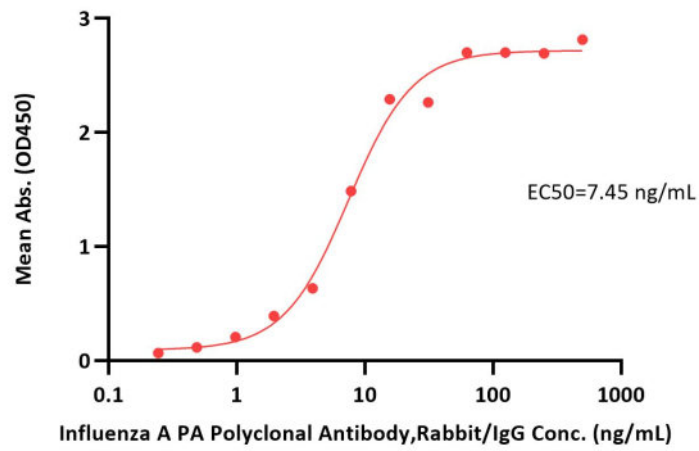
Bioactivity-ELISA

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Influenza A virus (strain A/Victoria/3/1975 H3N2) Polymerase acidic Protein, His Tag ELISA
0.1 µg of Influenza A virus (strain A/Victoria/3/1975 H3N2) Polymerase acidic Protein, His Tag per well



Immobilized Influenza A virus (strain A/Victoria/3/1975 H3N2) Polymerase acidic Protein, His Tag (Cat. No. PON-V51H3) at 1 µg/mL (100 µL/well) can bind Influenza A PA Polyclonal Antibody, Rabbit/IgG with a linear range of 0.2-16 ng/mL (QC tested).

Background

The influenza virus RNA-dependent RNA polymerase is highly conserved among influenza A, B, C, and D viruses. It comprises three subunits: polymerase basic protein 1 (PB1), polymerase basic protein 2 (PB2), and polymerase acidic protein (PA) in influenza A and B viruses or polymerase 3 protein (P3) in influenza C and D viruses. Because this polymerase is essential for influenza virus replication, it has been considered as a target for antiviral agents.

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