Monoclonal Anti-Influenza A virus (Darwin/6/2021) & (Darwin/9/2021) NP Antibody, Human IgG1 (5C8) (MALS verified)

Catalog # NP2-MY2405

Source

Monoclonal Anti-Influenza A virus (Darwin/6/2021) & (Darwin/9/2021) NP Antibody, Human IgG1 (5C8) is a chimeric monoclonal antibody recombinantly expressed from HEK293, which combines the variable region of a mouse monoclonal antibody with Human constant domain.

Clone

5C8

Species

Mouse

Isotype

Human IgG1 | Human Kappa

Conjugate

Unconjugated

Antibody Type

Recombinant Monoclonal

Reactivity

Virus

Immunogen

Recombinant Influenza A virus (Darwin/6/2021) & (Darwin/9/2021) NP (H3N2) Protein is expressed from Baculovirus-Insect cells

Specificity

Specifically recognizes Influenza A virus (Darwin/6/2021) & (Darwin/9/2021) NP (H3N2) Protein.

Application

Application	Recommended Usage
ELISA	0.05-13 ng/mL

Purity

95% as determined by SDS-PAGE.

95% as determined by SEC-MALS.

Purification

Protein A purified / Protein G purified

Formulation

Lyophilized from a 0.22 μm-filtered solution in PBS (pH 7.4), with trehalose as protectant.

Please contact us for customized product forms or formulations.

Reconstitution

Please refer to the Certificate of Analysis (CoA) for specific instructions.

For best performance, we strongly recommend following the reconstitution protocol provided in the CoA.

Storage

For long term storage, the product should be stored in a lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

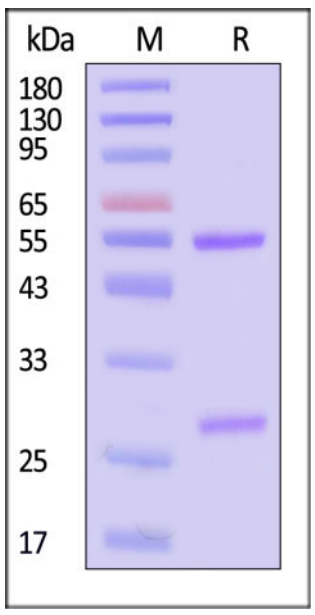
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

ACRO Quality Management System

- QMS(ISO, GMP)

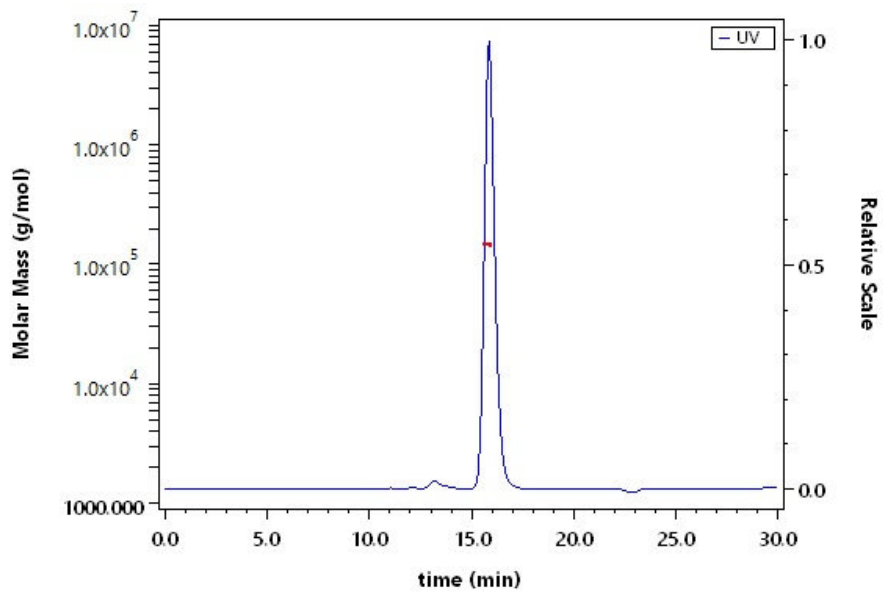
- Quality Advantages
- Quality Control Process

SDS-PAGE



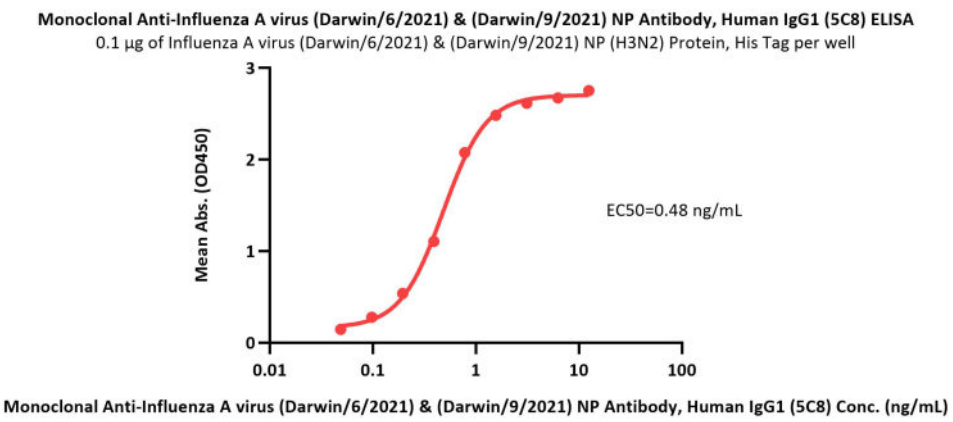
Monoclonal Anti-Influenza A virus (Darwin/6/2021) & (Darwin/9/2021) NP Antibody, Human IgG1 (5C8) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With Star Ribbon Pre-stained Protein Marker).

SEC-MALS



The purity of Monoclonal Anti-Influenza A virus (Darwin/6/2021) & (Darwin/9/2021) NP Antibody, Human IgG1 (5C8) (Cat. No. NP2-MY2405) is more than 95% and the molecular weight of this protein is around 135-165 kDa verified by SEC-MALS.

Bioactivity-ELISA



Immobilized Influenza A virus (Darwin/6/2021) & (Darwin/9/2021) NP (H3N2) Protein, His Tag (Cat. No. NP2-V52H3) at 1 μg/mL (100 μL/well) can bind Monoclonal Anti-Influenza A virus (Darwin/6/2021) & (Darwin/9/2021) NP Antibody, Human IgG1 (5C8) (Cat. No. NP2-MY2405) with a linear range of 0.05-1 ng/mL (QC tested).

Background

Influenza, commonly known as “the flu,” is a contagious respiratory disease of birds and mammals caused by RNA viruses of the family Orthomyxoviridae. Among influenza viral proteins, the nucleoprotein (NP) is highly conserved across strains and represents the most abundant non-enzymatic structural component of the virus. NP encapsidates viral RNA, regulates replication, and serves as a major target for diagnostic and research applications. Antibodies against NP from Influenza A virus strains Darwin/6/2021 and Darwin/9/2021 enable sensitive detection and monitoring of infection.