



Source

Monoclonal Anti-HA (Influenza A/guinea fowl/Hong Kong/WF10/99 (H9N2)) Antibody, Mouse IgG1 (9C1) is a Mouse monoclonal antibody produced from a hybridoma created by fusing SP2/0 myeloma and Mouse B-lymphocytes.

Clone

9C1

Species

Mouse

Isotype

Mouse IgG1 | Mouse Kappa

Conjugate

Unconjugated

Antibody Type

Hybridoma Monoclonal

Reactivity

Virus

Immunogen

Recombinant Influenza A [A/guinea fowl/Hong Kong/WF10/99(H9N2)] Hemagglutinin (HA) Protein is expressed from human 293 cells.

Specificity

Specifically recognizes Influenza A (H9N2) Viruses Hemagglutinin (HA).

Application

Application	Recommended Usage
ELISA	0.2-100 ng/mL

Cross Verification

This product No cross-reactivity in ELISA with

Influenza A [Victoria/4897/2022] Hemagglutinin (HA) Protein, His Tag (Cat. No. HA1-V52H8).

Influenza A [Wisconsin/67/2022] Hemagglutinin (HA) Protein, His Tag (Cat. No. HA1-V52H7).

Influenza A [A/Hong Kong/483/97 (H5N1)] HA, His Tag (Cat. No. HA1-V5229).

Influenza A (Vietnam/1194/2004(H5N1)) Hemagglutinin (HA) Protein, His Tag (Cat. No. HA1-V52H9).

Influenza A (Guangdong/18SF020(H5N6)) Hemagglutinin (HA) Protein, His Tag (Cat. No. HA6-V52H3).

Influenza A (turkey/Germany-MV/R2472/2014(H5N8)) HA Protein, His Tag (Cat. No. HA8-V52H3).

Influenza A (A/Shanghai/02/2013(H7N9)) Hemagglutinin (HA) Protein, His Tag (Cat. No. HA9-V52H3).

Purity

>95% as determined by SDS-PAGE.

Purification

Protein A purified/ Protein G purified

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.0 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

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

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

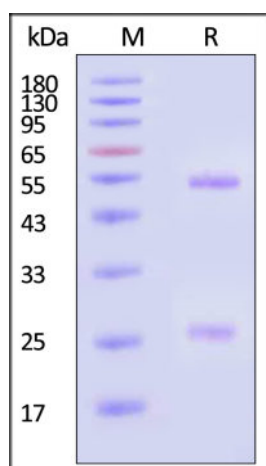
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

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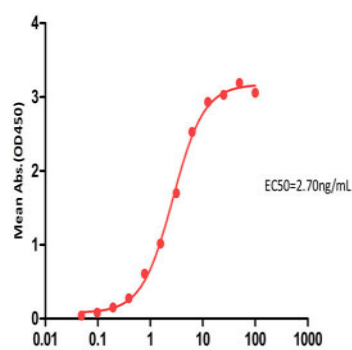
SDS-PAGE



Monoclonal Anti-HA (Influenza A/guinea fowl/Hong Kong/WF10/99 (H9N2)) Antibody, Mouse IgG1 (9C1) 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](#)).

Bioactivity-ELISA

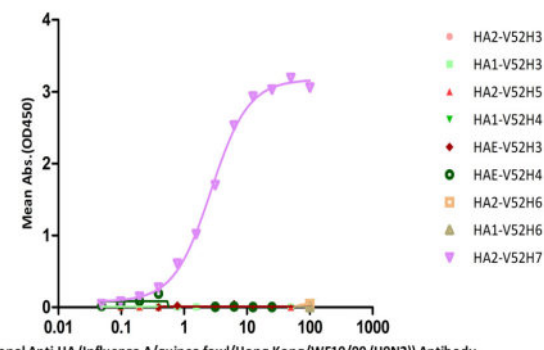
Monoclonal Anti-HA (Influenza A/guinea fowl/Hong Kong/WF10/99 (H9N2)) Antibody, Mouse IgG1 (9C1) ELISA
0.2 μg of Influenza A [A/guinea fowl/Hong Kong/WF10/99(H9N2)] Hemagglutinin (HA) Protein, His Tag (MALS verified) per well



Monoclonal Anti-HA (Influenza A/guinea fowl/Hong Kong/WF10/99 (H9N2)) Antibody, Mouse IgG1 (9C1) Conc. (ng/ml)

Immobilized Influenza A [A/guinea fowl/Hong Kong/WF10/99(H9N2)] Hemagglutinin (HA) Protein, His Tag (MALS verified)(Cat. No. HA2-V52H7) at 2 μg/mL (100 μL/well) can bind Monoclonal Anti-HA (Influenza A/guinea fowl/Hong Kong/WF10/99 (H9N2)) Antibody, Mouse IgG1 (9C1)(Cat. No. HA2-Y198) with a linear range of 0.195-6.25 ng/mL (QC tested).

Detection of Monoclonal Anti-HA (Influenza A/guinea fowl/Hong Kong/WF10/99 (H9N2)) Antibody, Mouse IgG1 (9C1) by ELISA Assay



Monoclonal Anti-HA (Influenza A/guinea fowl/Hong Kong/WF10/99 (H9N2)) Antibody, Mouse IgG1 (9C1) Conc. (ng/ml)

Immobilized Influenza A [A/guinea fowl/Hong Kong/WF10/99(H9N2)] Hemagglutinin (HA) Protein, His Tag (MALS verified)(Cat. No. HA2-V52H7) can bind Monoclonal Anti-HA (Influenza A/guinea fowl/Hong Kong/WF10/99 (H9N2)) Antibody, Mouse IgG1 (9C1)(Cat. No. HA2-Y198). The antibody does not bind Influenza A [A/Bangkok/1/1979 (H3N2)] Hemagglutinin (HA) Protein, His Tag (MALS verified)(Cat. No. HA2-V52H3), Influenza A [A/Wisconsin/588/2019 (H1N1)] Hemagglutinin (HA) Protein, His Tag (MALS verified)(Cat. No. HA1-V52H3), Influenza A [A/Darwin/6/2021 (H3N2)] Hemagglutinin (HA) Protein, His Tag (MALS verified)(Cat. No. HA2-V52H5), Influenza A [Sydney/5/2021 (H1N1)] Hemagglutinin (HA) Protein, His Tag (MALS verified)(Cat. No. HA1-V52H4), Influenza B [Austria/1359417/2021 (B/Victoria lineage)] Hemagglutinin (HA) Protein, His Tag (Cat. No. HAE-V52H3), Influenza B [Phuket/3073/2013 (B/Yamagata lineage)] Hemagglutinin (HA) Protein, His Tag (Cat. No. HAE-V52H4), Influenza A [A/Darwin/9/2021 (H3N2)] Hemagglutinin (HA) Protein, His Tag (MALS verified)(Cat. No. HA2-V52H6) and Influenza A [A/Victoria/2570/2019] Hemagglutinin (HA) Protein, His Tag (MALS verified) (Cat. No. HA1-V52H6) (Routinely tested).

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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. The virus is divided into three main types (Influenzavirus A, Influenzavirus B, and Influenzavirus C), which are distinguished by differences in two major internal proteins (hemagglutinin (HA) and neuraminidase (NA)), which are the most important targets for the immune system. Hemagglutinin binds to the sialic acid-containing receptors on the surface of host cells during initial infection and at the end of an infectious cycle which makes it a great target for vaccine studies.

Clinical and Translational Updates

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