

Mouse anti-Human H1N1/HA1 Monoclonal Antibody | anti-H1N1/HA1 antibody

H1N1/HA1 antibody

CATALOG # AAA48097	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

H1N1/HA1; Monoclonal Antibody; H1N1/HA1 antibody; Protein atonal homolog 1; ATH1; bHLHa14; HATH1; MATH-1; anti-H1N1/HA1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	AT1G7
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	566
Applicable Applications for anti-H1N1/HA1 antibody	WB (Western Blot), ELISA
Antigen Species	Influenza A-H1N1
Immunogen	Recombinant human H1N1/HA1 (18-344aa) purified from Baculovirus
Clone Note	Anti-human H1N1/HA1 mAb, clone 1G7, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human H1N1/HA1 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



WB (Western Blot)

H1N1/HA1 recombinant protein (50ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human H1N1/HA1 antibody (1:500), (1:1000), (1:5000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-H1N1/HA1 antibody	Influenza virus, an enveloped virus of the Orthomyxoviridae family, has a unique capacity for genetic variation that is based in two molecular features of the virus family. First of all, the surface proteins of the virus are highly variable, able to mutate up to 50% of their amino acid sequence and still perform their functions in infection. Secondly, the viral genome is segmented, with eight RNA segments that are genetically independent of one another. In a mixed infection of different influenza genotypes, these segments can almost randomly reassort resulting in hybrid genotypes with some segments derived from one virus strain, while the other segments are derived from a second strain.
References	Kilbourne ED: Influenza pandemics of the 20th century. Emerg Infect Dis 2006,12:9-14. ; Russell RJ, et al. (2008) Proc. Natl. Acad. Sci. U.S.A. 105 (46): 17736-41.. AJ. Hay, V. Gregory, A. R. Douglas, Y.P. Lin, Philos. Trans. R. Soc. Lond. B Biol. Sci. 356, 1861 (2001)

NCBI AND UNIPROT INFORMATION

NCBI GI #	256595204
Molecular Weight	63,236 Da
NCBI Official Full Name	hemagglutinin
UniProt Protein Name	Hemagglutinin
UniProt Gene Name	HA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/h1n1-ha1-antibody-clone-at1g7-western-blot-elisa/48097>