

Mouse anti-Human H5N1/HA1 Monoclonal Antibody | anti-H5N1/HA1 antibody

H5N1/HA1 antibody

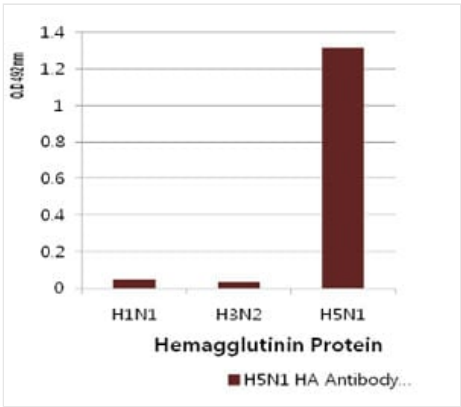
CATALOG # AAA48096	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

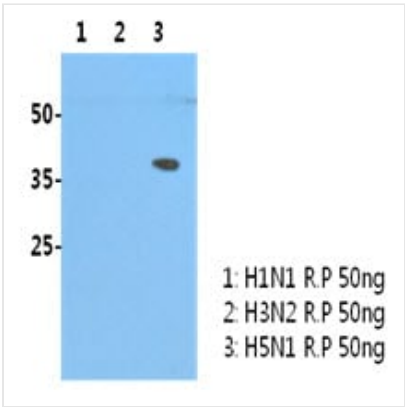
H5N1/HA1; Monoclonal Antibody; H5N1/HA1 antibody; Hemagglutinin; Influenza A virus (A/Vietnam/HN31242/2007H5N1) haemagglutinin; anti-H5N1/HA1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG ₁ heavy chain and k light chain
Clone Number	AT2B7
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	567
Applicable Applications for anti-H5N1/HA1 antibody	WB (Western Blot), ELISA
Antigen Species	Influenza A-H5N1
Immunogen	Recombinant human H5N1/HA1 (17-338aa) purified from Baculovirus
Clone Note	Anti-human H5N1/HA1 mAb, clone 2B7, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human H5N1/HA1 protein.
Usage	The antibody has been tested by ELISA, Western Blot analysis to assure specificity and reactivity. Since application varies, however each investigation should be titrated by the reagent to obtain optimal results.
Preparation and Storage	Can be stored at 4°C. For long term storage, aliquot and store at -20°C. Avoid repeated freezing and thawing cycles.



ELISA
H5N1 HA 1 Antibody (1 ug/ml) specifically recognizes H5N1 /HA1 recombinant protein, but not interacted H1N1 /HA1 and H3N2/HA1 recombinant protein in ELISA.



WB (Western Blot)
H5N1/HA1 recombinant protein (50ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human H5N1/HA1 antibody (1:3000). 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-H5N1/HA1 antibody	H5N1 is a subtype of the species Influenza A virus of the Influenzavirus A genus of the Orthomyxoviridae family. consists of single-stranded eight-segment negative-sense genomic RNAs, helical viral ribonucleoprotein (RNP) complexes (RNA segments NP, PB2, PB1 and PA), three viral envelope proteins (hemagglutinin [HA], neuraminidase [NA], and M2 ion channel), and a matrix (M1) protein. Influenza A viruses are further classified into 16 HA (H1-H16) and 9 NA (N1-N9) serotypes based on the antigenic characteristics of HA and NA envelope glycoproteins. It is responsible for binding the virus to the cell that is being infected. HA protein has two functions. Firstly, it allows the recognition of target vertebrate cells, accomplished through the binding of these cells' sialic acid-containing receptors. Secondly, once bound it facilitates the entry of the viral genome into the target cells by causing the fusion of host endosomal membrane with the viral membrane.
References	Song D., et al. (2008) Emerg. Infect. Dis. 14:741-746; Li S., et al. (2010) Infect. Genet. Evol. 10:1286-1288; Horimoto T, Kawaoka Y (2005) Influenza: lessons from past pandemics, warnings from current incidents. Nat Rev Microbiol 3: 591-600.

NCBI AND UNIPROT INFORMATION

NCBI GI #	162568996
NCBI Official Full Name	hemagglutinin
UniProt Protein Name	Hemagglutinin
UniProt Gene Name	H

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.