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Product datasheet for AM39074PU-S

Influenza A H5N1 Mouse Monoclonal Antibody [Clone ID: AT2B7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT2B7
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western blot (1:3000).
Reactivity:	Influenza A Virus
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant human H5N1/HA1 (17-338aa) purified from Baculovirus
Specificity:	The antibody specifically recognizes H5N1/HA1. It does not interact with H1N1/HA1 and H3N2/HA1 .
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.

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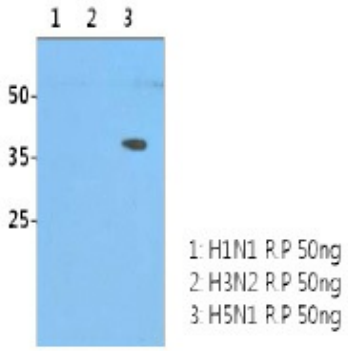
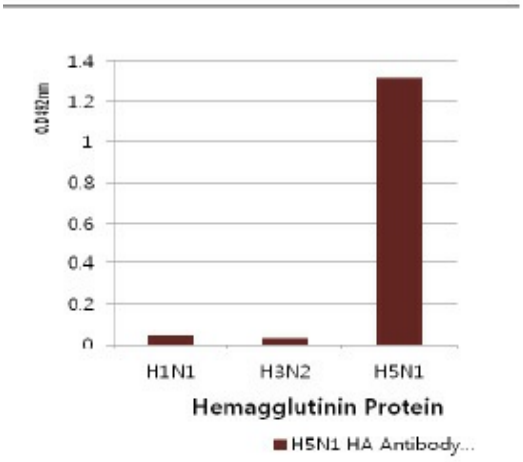
Background: H5N1 is a subtype of the species Influenza A virus of the Influenzavirus A genus of the Orthomyxoviridae family. It consists of single-stranded eight-segment negative-sense genomic RNAs, helical viral ribonucleoprotein (RNP) complexes (RNA segments NP, PB2, PB1 and PA), three viral envelope proteins (hemagglutinin [HA], neuraminidase [NA], and M2 ion channel), and a maxtir (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.

Synonyms: Avian Influenza A H5N1 H5 Hemagglutinin

Product images:



Western blot analysis: 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



ELISA: H5N1/HA1 antibody (1 g/ml) specifically recognizes H5N1/HA1 recombinant protein, but not interacted H1N1/HA1 and H3N2/HA1 recombinant protein in ELISA.