

Product datasheet for **AM39075PU-N**

Influenza A H1N1 Mouse Monoclonal Antibody [Clone ID: AT1G7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT1G7
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western blot (1:5000).
Reactivity:	Influenza A Virus
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant human H1N1/HA1 (18-344aa) purified from Baculovirus
Specificity:	The antibody specifically recognizes H1N1/HA1 recombinant protein, it does not interact with H3N2/HA1 and H5N2/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.



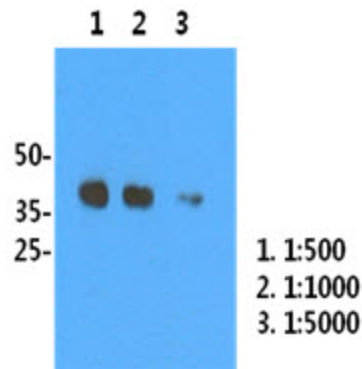
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Background:

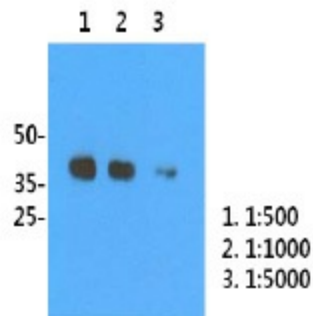
Influenza virus, an enveloped virus of the Orthomyxoviridae family, has a unique capacity for genetic variation that is based in two molecular features of the virus family. First of all, the surface proteins of the virus are highly variable, able to mutate up to 50% of their amino acid sequence and still 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.

Synonyms:

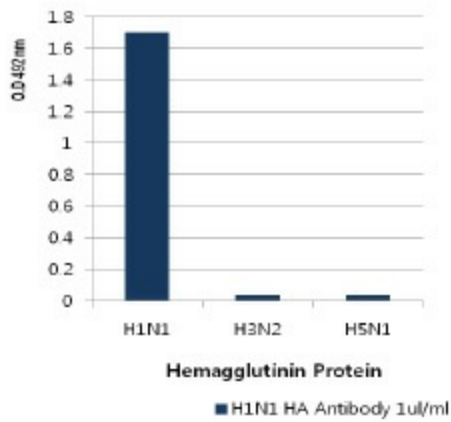
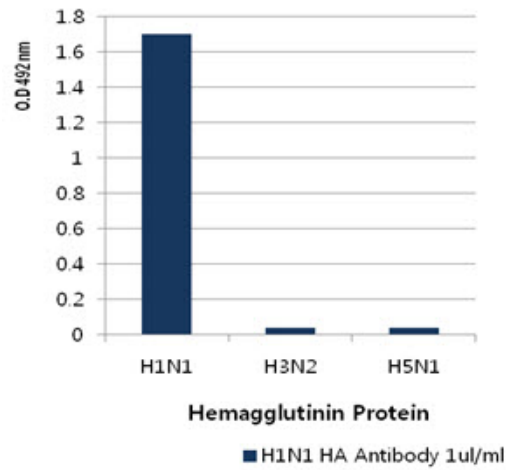
Seasonal Flu H1N1

Product images:


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 ECL substrate.



Western blot analysis: 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.



ELISA: H1N1/HA antibody (1g/ml) specifically recognizes H1N1/HA1 recombinant protein, but not interacted H3N2/HA1 and H5N2/HA1 recombinant protein in ELISA.