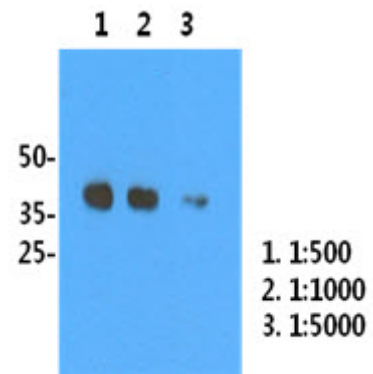


AM39075PU-N**Monoclonal Antibody to Influenza A H1N1 - Purified**

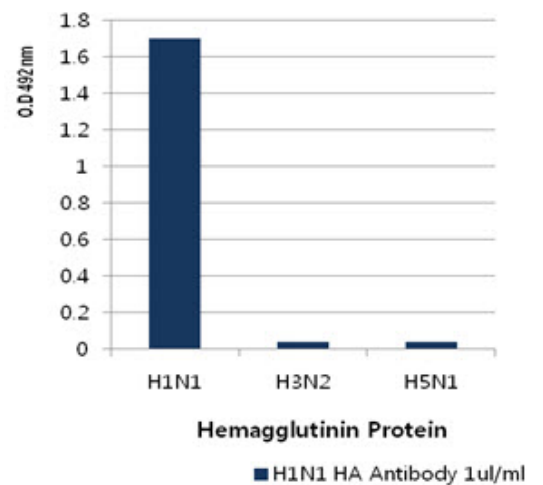
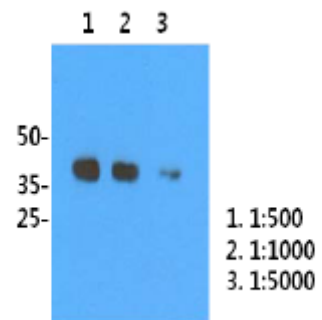
Alternate names:	Seasonal Flu H1N1
Quantity:	0.1 ml
Concentration:	1.0 mg/ml
Background:	Influenza virus, an enveloped virus of the Orthomyxoviridae family, has a unique capacity for genetic variation that is based in two molecular features of the virus family. First of all, the surface proteins of the 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.
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	AM03095PU-N
Clone:	AT1G7
Immunogen:	Recombinant human H1N1/HA1 (18-344aa) purified from Baculovirus
Format:	State: Liquid purified Ig fraction Purification: Protein-G affinity chromatography Buffer System: PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol
Applications:	ELISA. Western blot (1:5000). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody specifically recognizes H1N1/HA1 recombinant protein, it does not interact with H3N2/HA1 and H5N2/HA1. Species: Human Other species not tested.
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. Shelf life: one year from despatch.
General Readings:	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).

Pictures:

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.



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 conjugated to HRP and an ECL detection system.



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

