

AM00933PU-N**Monoclonal Antibody to Influenza A (Haemagglutinin H1) - Purified**

Alternate names:	Influenza A Virus, Seasonal Flu
Quantity:	1 mg
Concentration:	3.8 mg/ml (Sigma protein assay kit)
Background:	Influenza A virus is a major public health threat. Novel influenza virus strains caused by genetic drift and viral recombination emerge periodically to which humans have little or no immunity, resulting in devastating pandemics. Influenza A can exist in a variety of animals; however it is in birds that all subtypes can be found. These subtypes are classified based on the combination of the virus coat glycoproteins hemagglutinin (HA) and neuraminidase (NA) subtypes. In natural infection, inactive HA is matured into HA1 and HA2 outside the cell by one or more trypsin-like, arginine-specific endoprotease secreted by the bronchial epithelial cells.
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	AM03095PU-N
Clone:	B213M
Immunogen:	Purified Influenza A/NewCaledonia/20/99 (strain H1N1). Hybridization of Sp2/0 myeloma cells with spleen cells from BALB/c mice.
Format:	State: Liquid purified Ig fraction (>90% pure by SDS-PAGE). Purification: Protein A Chromatography. Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide as preservative.
Applications:	Suitable for Direct or Indirect ELISA, Sandwich Immunoassay and Western Blot. <u>Recommended pair for Sandwich Immunoassay:</u> Capture: AM00933PU-N Detection: AM00937PU-N Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts with Hemagglutinin of H1 serotype. Detects H1 of Influenza A and recombinant Hi with high specificity. Does not cross reacts with Hemagglutinin H3
Storage:	Store the antibody undiluted at 2-8°C. Shelf life: one year from despatch.

Pictures:

Western blot after PAGE in reducing conditions. Anti-mouse IgG:HRP conjugate used for visualization. H1N1 – Influenza A/New Caledonia/20/99 H3N2 – Influenza A/Shangdong/9/93 AM00933PU-N (5 µg/ml)

