

**AM00942PU-N****Monoclonal Antibody to Influenza A H5N1 (Haemagglutinin) - Purified**

<b>Alternate names:</b>	Avian Influenza A H5N1 H5 Hemagglutinin
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	3.9 mg/ml (OD280nm, E0.1% = 1.3)
<b>Background:</b>	<p>Influenza A belongs to the Orthomyxoviridae family, and is a negative sense single-stranded RNA virus which results in respiratory disease.</p> <p>Haemagglutinin is an antigenic glycoprotein which allows viral attachment and entry into the cell. Sixteen subtypes of haemagglutinin (H1-H16) have been described, of which H1, H2 and H3 infect humans. H5 and H7 normally result in avian disease, with some highly pathogenic H5N1 strains causing 100% mortality in poultry. H5N1 has in some cases mutated to infect humans, with 60% mortality. Haemagglutinin is one of the most medically relevant antigens on influenza as it is a target for antiviral drugs and antibodies.</p>
<b>Host / Isotype:</b>	Mouse / IgG2a
<b>Recommended Isotype Controls:</b>	AM03096PU-N
<b>Clone:</b>	B515M
<b>Immunogen:</b>	<p>Purified Avian Influenza Virus Type A (H5N1).</p> <p>Hybridization of Sp 2/0 myeloma cells with spleen cells from Balb/c mice.</p>
<b>Format:</b>	<p><b>State:</b> Liquid purified Ig fraction (<math>\geq 95\%</math> pure by SDS-PAGE)</p> <p><b>Purification:</b> Protein G Chromatography.</p> <p><b>Buffer System:</b> PBS, pH 7.4 containing 0.09% Sodium Azide as preservative.</p>
<b>Applications:</b>	<p><b>Hemagglutinin Inhibition (HI) test.</b></p> <p><b>Indirect ELISA.</b></p> <p><b>Dot Blot.</b></p> <p><u>Recommended pair for Sandwich Immunoassay:</u></p> <p>Capture/Detection: AM31567PU-N/AM00942PU-N</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
<b>Specificity:</b>	<p>This antibody reacts with Hemagglutinin H5 in Hemagglutinin Inhibition (HI) test. Reacts with H5N1, H5N2 and H5N9 strains.</p> <p>Does not cross react with other Hemagglutinin types (H1, H2, H3, H4, H6, H7, H8, H9, H10, H11, H12, H13, H14 and H15).</p>
<b>Storage:</b>	<p>Store the antibody undiluted at 2-8°C.</p> <p><b>DO NOT FREEZE!</b></p> <p>Shelf life: one year from despatch.</p>
<b>Product Citations:</b>	<p><b>Purchased from Acris:</b></p> <p>1. Szatraj K, Szczepankowska AK, Sączyńska V, Florys K, Gromadzka B, Lepek K, et al. Expression of avian influenza haemagglutinin (H5) and chicken interleukin 2 (chIL-2)</p>

under control of the ptcB promoter in *Lactococcus lactis*. *Acta Biochim Pol.* 2014;61(3):609-14. Epub 2014 Sep 18. PubMed PMID: 25273565.