

Product datasheet for **AM00942PU-N**

Influenza A H5N1 (Haemagglutinin) Mouse Monoclonal Antibody [Clone ID: B515M]

Product data:

Product Type:	Primary Antibodies
Clone Name:	B515M
Applications:	AGG, ELISA
Recommended Dilution:	Hemagglutinin Inhibition (HI) test. Indirect ELISA. Dot Blot. <u>Recommended pair for Sandwich Immunoassay:</u> Capture/Detection: AM31567PU-N/AM00942PU-N
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Purified Avian Influenza Virus Type A (H5N1). Hybridization of Sp 2/0 myeloma cells with spleen cells from Balb/c mice.
Specificity:	This antibody reacts with Hemagglutinin H5 in Hemagglutinin Inhibition (HI) test. Reacts with H5N1, H5N2 and H5N9 strains. Does not cross react with other Hemagglutinin types (H1, H2, H3, H4, H6, H7, H8, H9, H10, H11, H12, H13, H14 and H15).
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction (≥ 95% pure by SDS-PAGE)
Concentration:	lot specific
Purification:	Protein G Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.



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Background:

Influenza A belongs to the Orthomyxoviridae family, and is a negative sense single-stranded RNA virus which results in respiratory disease. 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.

Synonyms:

Avian Influenza A H5N1 H5 Hemagglutinin