



Anti-IAV Hemagglutinin Polyclonal antibody (DPAB0099)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Antibody to Influenza A (Swine H1N1) Hemagglutinin
Antigen Description	Hemagglutinin (HA) is a class I viral fusion protein from Influenza virus. It is a major glycoprotein, comprising over 80% of the envelope proteins present in the virus particle. HA binds to sialic acid-containing receptors on the cell surface, bringing about the attachment of the virus particle to the cell, and is responsible for penetration of the virus into the cell cytoplasm by mediating the fusion of the membrane of the endocytosed virus particle with the endosomal membrane. The extent of infection into host organism is determined by HA.
Specificity	Recognizes the hemagglutinin peptide from the swine-origin Influenza A/California/14/2009. Does not cross-react with the corresponding peptide from seasonal Influenza A/Brisbane/59/2007 (H1N1).
Target	IAV Hemagglutinin
Immunogen	Synthetic peptide corresponding to the hemagglutinin protein of the swine-origin Influenza A/California/14/2009 (H1N1)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	IAV
Purification	Immunoaffinity chromatography
Conjugate	Unconjugated
Applications	Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should

not necessarily be excluded.

Format	Affinity Purified, Liquid
Concentration	1mg/ml
Size	100 µg
Buffer	PBS
Preservative	0.02% Sodium Azide
Storage	Store (up to 1 year) at 2-8°C.

BACKGROUND

Introduction	Influenza A (H1N1) virus is a subtype of influenza A virus and was the most common cause of human influenza (flu) in 2009. Some strains of H1N1 are endemic in humans and cause a small fraction of all influenza-like illness and a small fraction of all seasonal influenza. H1N1 strains caused a few percent of all human flu infections in 2004–2005Other strains of H1N1 are endemic in pigs (swine influenza) and in birds (avian influenza).
Keywords	Influenza A Hemagglutinin; Influenza A; H1N1; Group V ((-)ssRNA); Orthomyxoviridae; S-OIV A Hemagglutinin; Swine flu H1