

Avian Influenza A M2 Antibody

Catalog No: #24577

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Description

Product Name	Avian Influenza A M2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	E WB
Species Reactivity	Virus
Immunogen Type	Peptide
Immunogen Description	Raised against a 13 amino acid peptide from amino terminus of H5N1 M2.
Target Name	Avian Influenza A M2
Other Names	Avian Influenza A M2, H5N1 M2, H5N1 membrane ion channel 2
Accession No.	ABC74394
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Background

Influenza A virus is a major public health threat, killing more than 30,000 people per year in the USA. 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. During 1997, an H5N1 avian influenza virus was determined to be the cause of death in 6 of 18 infected patients in Hong Kong. The more recent virulent strain of H5N1 is now seen in Africa and Europe, as well as in Southeast Asia. There is some evidence of human to human spread of this virus, but it is thought that the transmission efficiency was fairly low. The influenza membrane ion channel (M2) is a small transmembrane protein that regulates the pH inside the virion during viral entry into the cell and protects the newly synthesized hemagglutinin during their transport through low pH cellular compartments. It has been suggested as a target of neutralizing antibodies.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.