

Avian Influenza Hemagglutinin 2 Antibody Catalog # ASC10455

Specification

Avian Influenza Hemagglutinin 2 Antibody - Product Information

Application	IF
Primary Accession	Q692M2
Other Accession	AAT76166
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Application Notes	Avian Influenza Hemagglutinin 2 antibody can be used for the detection of the Hemagglutinin protein from the H5N1 strain of avian influenza A in ELISA. It will detect 10 ng of free peptide at 1 µg/mL.

Avian Influenza Hemagglutinin 2 Antibody - Additional Information

Other Names

Avian Influenza Hemagglutinin 2 Antibody: , hemagglutinin

Target/Specificity

Avian Influenza Hemagglutinin 2 antibody was raised against a synthetic peptide corresponding to 12 amino acids near the amino terminus of the Hemagglutinin protein.

Efforts were made to use relatively conserved regions of the viral sequence as the antigen.

The immunogen is located within amino acids 110 - 160 of Avian Influenza Hemagglutinin 2.

Reconstitution & Storage

Avian Influenza Hemagglutinin 2 antibody can be stored at 4°C for three months and -20°C, stable for up to 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.

Precautions

Avian Influenza Hemagglutinin 2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Avian Influenza Hemagglutinin 2 Antibody - Protein Information

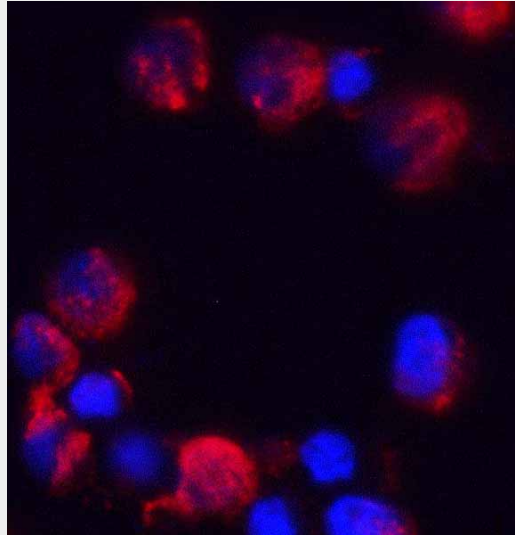
Avian Influenza Hemagglutinin 2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Avian Influenza Hemagglutinin 2 Antibody - Images



Immunofluorescence of C18orf42 in HeLa cells with C18orf42 antibody at 2 $\mu\text{g}/\text{mL}$.

Avian Influenza Hemagglutinin 2 Antibody - Background

Avian Influenza Hemagglutinin 2 Antibody: 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. There was some evidence of human to human spread of this virus, but it is thought that the transmission efficiency was fairly low. HA interacts with cell surface proteins containing oligosaccharides with terminal sialyl residues. Virus isolated from a human infected with the H5N1 strain in 1997 could bind to oligosaccharides from human as well as avian sources, indicating its species-jumping ability.

Avian Influenza Hemagglutinin 2 Antibody - References

- Thompson WW, Shay DK, Weintraub, et al. Mortality associated with influenza and respiratory syncytial virus in the United States. *JAMA* 2003; 289:179-186.
- Alexander DJ. A review of avian influenza. *Proceedings of the European Society for Veterinary Virology (ESVV) Symposium on Influenza Viruses of Wild and Domestic Animals. Vet. Microbiol.* 2000; 74:3-13.
- Shortridge KF, Zhou NN, Guan Y, et al. Characterization of avian H5N1 influenza viruses from poultry in Hong Kong. *Virology*. 1998; 252:331-342.
- Buxton Bridges C, Katz JM, Seto WH, et al. Risk of influenza A (H5N1) infection among health care workers exposed to patients with influenza A (H5N1), Hong Kong. *J. Inf. Dis.* 2000; 181:344-8.