

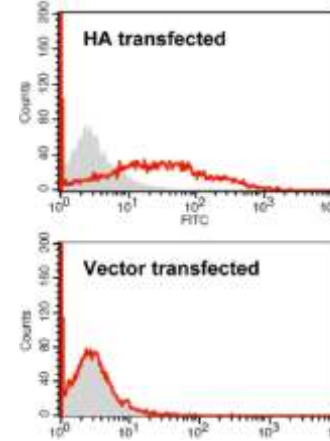
## Anti-HA (H5N1) Monoclonal Antibody

**CATALOG NO:** A1240-100  
**CLONE:** 9F4  
**AMOUNT:** 100 µg  
**IMMUNOGEN:** HA full length that was expressed and purified from insect cells  
**HOST/ISOTYPE:** Mouse IgG2b  
**SPECIES REACTIVITY:** Virus  
**PURIFICATION:** This antibody is purified through a protein A column, followed by peptide affinity purification.  
**FORM:** Liquid  
**STORAGE CONDITIONS:** For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles

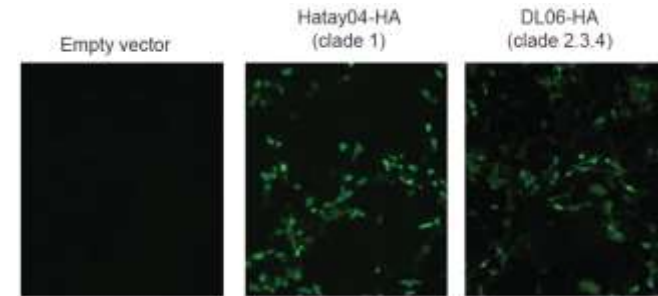
**DESCRIPTION:**

Binds to sialic acid-containing receptors on the cell surface, bringing about the attachment of the virus particle to the cell. This attachment induces virion internalization of about two third of the virus particles through clathrin-dependent endocytosis and about one third through a clathrin- and caveolin-independent pathway. Plays a major role in the determination of host range restriction and virulence. Class I viral fusion protein. 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. Low pH in endosomes induces an irreversible conformational change in HA2, releasing the fusion hydrophobic peptide. Several trimers are required to form a competent fusion pore. The recombinant HA protein of a clade H5N1 virus was used to generate monoclonal antibodies for viral neutralization assays. The HA full-length protein was expressed in insect cells infected with baculovirus carrying the HA gene to ensure that it underwent glycosylation.

**APPLICATION:** FC, IF, WB



FACS analysis on 293T cells transfected either with a cDNA construct expressing Hatay04 HA or with an empty vector. Cells were stained with anti-HA (H5N1) antibody followed by a FITC-conjugated anti-mouse IgG.



Immunofluorescence was performed on MDCK cells transfected with empty vector or DL06-HA or Hatay04-HA expressing plasmids using Anti-HA (H5N1) antibody on non-permeabilized cells.

**RELATED PRODUCTS**

- HA (Influenza A Virus Hemagglutinin) Polyclonal Antibody (Cat. No. 3924-100)
- Anti-2009H1N1 monoclonal Antibody (Cat. No. A1026-100)
- HA (Influenza A Virus Hemagglutinin) Blocking Peptide (Cat. No. 3924BP-50)
- Human CellExp™ Influenza A virus / Neuraminidase (NA) (Cat. No. 7508-20)

**FOR RESEARCH USE ONLY! Not to be used on humans.**

