

Human Influenza H5N1 Hemagglutinin/HA Monoclonal Antibody | anti-HA antibody

Influenza H5N1 Hemagglutinin/HA Neutralizing Antibody

CATALOG # AAA257274	HOST Human	REACTIVITY Influenza H5N1	APPLICATIONS MN (Microneutralization)
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PRODUCT SYNONYMS

Influenza H5N1 Hemagglutinin/HA; Monoclonal Antibody; Influenza H5N1 Hemagglutinin/HA Neutralizing Antibody; Harvey rat sarcoma viral oncogene homolog; anti-HA antibody

PRODUCT SPECIFICATIONS

Host	Human
Reactivity	Influenza H5N1
Clonality	Monoclonal
Isotype	Human IgG1
Clone Number	H011
Purity/Purification	> 90 % as determined by SDS-PAGE. > 90 % as determined by SEC-HPLC
Form/Format	Liquid; 0.2um filtered solution in Histidine and Arginine buffer containing 120mM NaCl, 0.02% Tween 80, pH6.0
Applicable Applications for anti-HA antibody	MN (Microneutralization)
Endotoxin	<3EU/mg
Immunogen	Recombinant SARS-CoV-2 (2019-nCoV) Spike Protein (Catalog#)
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant SARS-CoV-2 (2019-nCoV) Spike YP_009724390.1; Val16-Arg685). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.

Specificity Note	<p>Has cross reactivity in ELISA with</p> <p>H5N1 (A/Hubei/1/2010) HA</p> <p>H5N1 (A/Xinjiang/1/2006) HA</p> <p>1H5N1 (A/Xinjiang/1/2006) HA</p> <p>H5N1 (A/bar-headed goose/Qinghai/1A/2005) HA</p> <p>H5N1 (A/Anhui/1/2005) HA</p> <p>H5N1 (A/Cambodia/S1211394/2008) HA</p> <p>H5N1 (A/Duck/Hong Kong/p46/97) HA</p> <p>H5N1 (A/Hong kong/213/2003) HA</p> <p>(28 Ser/Trp)H5N1 (A/chicken/India/NIV33487/06) HA</p> <p>H5N1 (A/Cambodia/R0405050/2007) HA</p> <p>H5N1 (A/whooper swan/Mongolia/244/2005) HA</p> <p>H5N1 (A/Egypt/N05056/2009) HA</p> <p>H5N1 (A/Common magpie/Hong Kong/2256/2006) HA</p> <p>H5N1 (A/duck/Hunan/795/2002) HA</p> <p>H5N1 (A/Egypt/2321-NAMRU3/2007) HA</p> <p>HN1 (A/Japanese white-eye/Hong Kong/1038/2006) HA</p> <p>H5N1 (A/goose/Guizhou/337/2006) HA</p> <p>H5N1 (A/Hong Kong/483/97) HA</p> <p>H5N1 (A/Hubei/1/2010) HA1</p> <p>H5N2 (A/American green-winged teal/California/HKWF609/2007) HA</p> <p>H5N3 (A/duck/Hokkaido/167/2007) HA</p> <p>H5N8 (A/duck/NY/191255-59/2002) HA</p> <p>H5N1 (A/turkey/Turkey/1/2005) HA</p> <p>H5N1 (A/Indonesia/5/2005) HA</p> <p>H5N1 (A/Anhui/1/2005) HA</p>
Recommended Concentration	<p>Hemagglutinin Inhibition (HI): This H5N1 HA protein neutralizing antibody can inhibit the hemagglutinin activity of recombinant H5N1 HA protein, the HI titer is 0.05-0.2 ug/mL When 1 unit of protein added.</p> <p>Microneutralization (MN): The influenza A H5N1 HA protein Neutralizing antibody can effectively neutralize the H5N1 pseudovirus which contain HIV backbone and H5N1 HA protein from infecting 293FT cell. The pseudovirus microneutralization (MN) test was performed on 293FT cells infected with H5N1 (A/Vietnam/1194/2004) pseudovirus under the treatment of serial dilution of neutralizing antibody. Percentage of inhibition is 100% with 1 ug/mL influenza A H5N1 HA neutralizing Antibody incubated with high titer of H5N1 pseudovirus. (Validation Experiment)</p>
Preparation and Storage	<p>This antibody can be stored at 2-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.</p>

ADDITIONAL INFORMATION

References	<p>White JM, Hoffman LR, Arevalo JH, et al. Attachment and entry of influenza virus into host cells. Pivotal roles of hemagglutinin. In Chiu W, Burnett RM, Garcea RL. Structural Biology of Viruses.1997</p> <p>Suzuki Y. Sialobiology of influenza: molecular mechanism of host range variation of influenza viruses. Biol. Pharm. Bull. 2005.</p> <p>Senne DA, Panigrahy B, Kawaoka Y, et al. Survey of the hemagglutinin (HA) cleavage site sequence of H5 and H7 avian influenza viruses: amino acid sequence at the HA cleavage site as a marker of pathogenicity potential. Avian Dis. 1996</p> <p>Donald J. Benton, Influenza hemagglutinin membrane anchor, PNAS, 2018</p>
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/influenza-h5n1-hemagglutinin-ha-antibody-clone-h011-microneutralization-elisa/257274>