Anti-HA antibody

Catalog Number: 100357

Product name

Anti-HA antibody

Immunogen

H10N8 HA (His Tag) recombinant protein

Specificity

Influenza A H10N8 (A/Jiangxi-Donghu/346/2013) Hemagglutinin / HA
Has cross-reactivity with H10N3 (A/duck/Hong Kong/786/1979) Hemagglutinin (500502)/ H10N8 (A/duck/Guangdong/E1/2012) Hemagglutinin (504315)
No cross-reactivity with H10N3 (A/mallard/Minnesota/Sg-00194/2007) Hemagglutinin (503960) in ELISA assay.

Antibody description

Mouse monoclonal to HA

Preparation

It is a chimeric monoclonal antibody combining the constant domains of the human IgG1 molecule with mouse variable regions. The variable region was obtained from a mouse immunized with purified, recombinant Influenza A H10N8 (A/Jiangxi-Donghu/346/2013) Hemagglutinin / HA. The antibody was produced using recombinant antibody technology.

Formulation

0.2 μm filtered solution in PBS

Storage

This antibody can be stored at 2℃-8℃ for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20℃ to -80℃. Preservative-Free.Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.

Clonality

Monoclonal

Ig Type

mouse (varialbe region) / human (kappa / IgG1

Applications

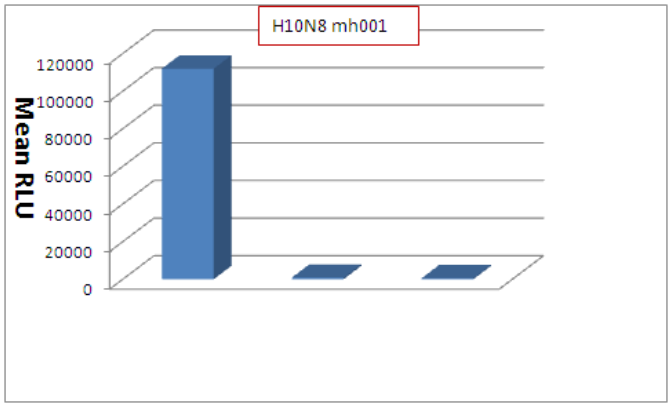
MN, HI

Dilutions

Hemagglutinin Inhibition (HI) - This H10N3 HA protein Neutralizing Antibody can block the binding of the recombinant H10N8 HA protein to sialic acid and inhibit the hemagglutinin activity of recombinant H10N8 HA protein. The HI titer is 0.1-0.4 μg/mL When 1 unit of H10N8 HA protein added.

Microneutralizaiton (MN) - The influenza A H10N8 HA Neutralizing Antibody can effectively neutralize the H10N8 pseudotype virus which contain HIV backbone and H10N8 HA protein from infecting 293FT cells.

Validations



Influenza A H10N8 Hemagglutinin / HA Neutralizing Antibody

The neutralization activity of H10N8 HA

protein antibody is Measured by Microneutralization test in vitro. The pseudovirus microneutralizaiton (MN) test was performed on 293FT cells infected with H10N8 (A/Jiangxi-Donghu/346/2013) pseudovirus under the treatment of serial dilution of Neutralizing Antibody. The infection with high titer H10N8 pseduotype virus is inhibited completely under 1 μg/mL influenza A H10N8 HA Neutralizing Antibody (Catalog 40359-mh001).