ARG10313
anti-Influenza A Virus Hemagglutinin antibody [C102]

Package: 100 µg, 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [C102] recognizes Influenza A Virus Hemagglutinin
Tested Reactivity	Influenza A
Tested Application	ELISA, ICC/IF, IHC-Fr, WB
Host	Mouse
Clonality	Monoclonal
Clone	C102
Isotype	IgG1
Target Name	Influenza A Virus Hemagglutinin
Species	Mouse
Immunogen	Purified influenza virus type A strain H1N1 (strain: A/Kazakhstan/Seagull/470)
Conjugation	Un-conjugated

Application Instructions

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Protein G affinity purified.
Buffer	PBS (pH 7.4) and 0.1% Sodium azide
Preservative	0.1% Sodium azide
Concentration	1.0-2.0 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

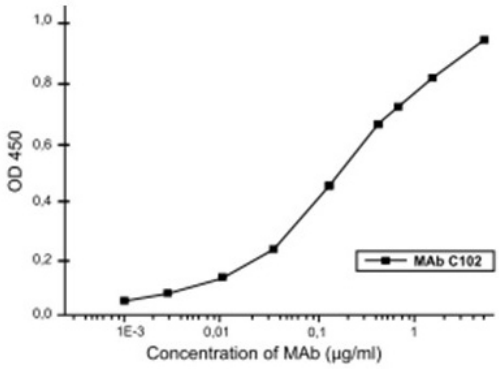
Bioinformation

Gene Symbol	HA
Gene Full Name	hemagglutinin
Function	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 (By similarity). [UniProt]

Research Area	Microbiology and Infectious Disease antibody
Calculated Mw	64 kDa

Images



ARG10313 anti-Influenza A Virus Hemagglutinin antibody [C102] ELISA image

ELISA: Specific activity of MAb C102 in ELISA with purified virus antigen A (H1N1). MAb C102 was obtained by use of avian influenza virus strain A (H1N1) as an immunogen and it is directed against relatively conservative H1 epitope. MAb cross reactivity pattern shows that it does not react with H3 and other haemagglutinins but interacts with H1 from human and avian influenza viruses, having indirect ELISA titers not less than 1:128 K.