

ARG22689 anti-Influenza A virus H1N1 antibody

Package: 1 ml
Store at: -20°C

Summary

Product Description	<p>Goat Polyclonal antibody recognizes Influenza A virus H1N1 This antibody recognizes Influenza A virus H1N1. This goat anti Influenza A H1N1 polyclonal antibody does not react with Influenza B, RSV, Para 1-3 or Adenovirus. It does not react with HEp-2 cells but may react with some Chicken cellular proteins. Influenza type A viruses are divided into subtypes based on the antigenic differences of two viral surface proteins, hemagglutinin (H) and neuraminidase (N). On infection of the respiratory tract, the hemagglutinin molecule binds to sialic acid-containing receptors on the epithelial cells resulting in endocytosis. Once the virus has been engulfed, the hemagglutinin allows the viral membrane to fuse with the endosomal membrane. Neuraminidase functions to aid viral release from host cells by cleaving terminal sialic acid residues from carbohydrate moieties on the cell surface. Viral release also requires the interaction of the viral M1 protein with the cellular scaffold G-like protein RACK1 (Demirov et al. 2012). Subtype antigenic variations result from a process known as antigenic drift whereby these surface proteins constantly mutate in order to evade the host immune response. Subtype A(H1N1) was the cause of Spanish flu pandemic that killed approximately 50,000,000 people between 1918-1919.</p>
Tested Reactivity	Influenza A
Tested Application	ICC/IF, IHC-P
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Influenza A virus H1N1
Species	Virus
Immunogen	Influenza A, strain USSR (H1N1)
Conjugation	Un-conjugated

Application Instructions

Application table	Application	Dilution
	ICC/IF	Assay-dependent
	IHC-P	Assay-dependent

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

Properties

Form	Liquid
Purification	Unpurified.
Buffer	PBS and 0.09% Sodium azide.

Preservative	0.09% Sodium azide
Concentration	1 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.