

Datasheet for 200-301-EF9**Seasonal H1N1 Hemagglutinin Antibody [7H12F6]****Overview**

Description:	Anti-Seasonal H1N1 Hemagglutinin (MOUSE) Antibody - 200-301-EF9
Item No.:	200-301-EF9
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Virus
Host Species:	Mouse

Product Details

Background:	Influenza A virus has one of sixteen possible Hemagglutinin (HA) surface proteins and one of nine possible Neuraminidase (NA) surface proteins. In early 2009, a novel H1N1 swine-origin influenza (S-OIV) A virus was identified in specimens obtained from patients in Mexico and the United States. The genetic make-up of this swine flu virus is unlike any other: it is an H1N1 strain that combines a triple assortment first identified in 1998 including human, swine, and avian influenza with two new pig H3N2 virus genes from Eurasia, themselves of recent human origin. This antibody is specific for the seasonal H1N1 influenza Hemagglutinin and will not recognize the corresponding Hemagglutinin sequence from the swine-origin H1N1 influenza (A/California/14/2009 (H1N1)).
Synonyms:	Seasonal H1N1 Hemagglutinin Antibody [7H12F6]
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	[7H12F6]
Format:	IgG1

Target Details

Gene Name:	HA
Reactivity:	Virus
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-Hemagglutinin antibody was produced in mice by repeated immunizations with a synthetic peptide from the Hemagglutinin protein.
Purity/Specificity:	Anti-Seasonal H1N1 Hemagglutinin Monoclonal Antibody is Protein G Purified. Cross reactivity with Seasonal H1N1 Hemagglutinin [7H12F6] from other sources has not been determined.
Relevant Links:	• UniProtKB - B0VX44 • NCBI - ACA28844

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Seasonal H1N1 Hemagglutinin Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 63 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User Optimized

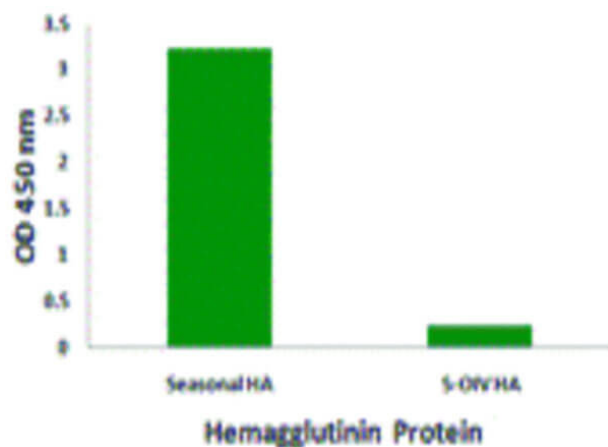
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

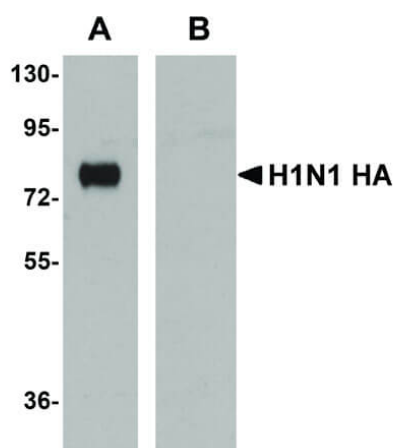
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



ELISA

ELISA of Mouse anti-A Hemagglutinin antibody. Antigen: seasonal influenza A H1N1. Primary antibody: Seasonal Influenza A Hemagglutinin antibody at 2 µg/mL. Does not recognize swine-origin influenza A. Secondary antibody: Peroxidase mouse secondary antibody.



Western Blot

Western Blot of monoclonal seasonal Influenza A HA. Lane A: recombinant seasonal Influenza HA. Lane B: swine-origin Influenza HA. Primary antibody: monoclonal seasonal Influenza A HA 1µg/mL overnight at 4°C. Secondary antibody: Mouse HRP secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 63 kDa, 74 kDa for monoclonal seasonal Influenza A HA.

Disclaimer

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