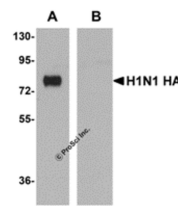


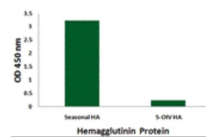


# Seasonal H1N1 Hemagglutinin Antibody [7H12F6]

Cat. No.: PM-5533



Recombinant seasonal Influenza HA (lane A) or swine-origin Influenza HA (lane B) were probed (1 µg/mL) using monoclonal seasonal Influenza A HA.



Seasonal Influenza A Hemagglutinin antibody (Cat. No. PM-5533; 2 µg/mL) recognizes seasonal influenza A (H1N1), but not swine-origin influenza A (S-OIV, H1N1), Hemagglutinin protein in ELISA.

## Ψ Specifications

<b>HOST SPECIES:</b>	Mouse
<b>SPECIES REACTIVITY:</b>	Virus
<b>IMMUNOGEN:</b>	Mouse monoclonal Hemagglutinin antibody was raised against a synthetic peptide from the Hemagglutinin protein.
<b>TESTED APPLICATIONS:</b>	ELISA, WB
<b>APPLICATIONS:</b>	Hemagglutinin antibody can be used for the detection of the Hemagglutinin protein from the H1N1 strain of Seasonal influenza A in ELISA. It will also detect 2 ng of free peptide at 1 mg/mL and does not cross-react with peptide corresponding to the swine-origin influenza A (S-OIV, H1N1) Hemagglutinin.

<b>PURIFICATION:</b>	Seasonal H1N1 Hemagglutinin Monoclonal Antibody is immunoaffinity chromatography purified IgG.
<b>CLONALITY:</b>	Monoclonal
<b>ISOTYPE:</b>	IgG1
<b>CONJUGATE:</b>	Unconjugated
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	Seasonal H1N1 Hemagglutinin Monoclonal Antibody is supplied in PBS containing 0.02% sodium azide.
<b>CONCENTRATION:</b>	1 mg/mL
<b>STORAGE CONDITIONS:</b>	Seasonal H1N1 Hemagglutinin monoclonal antibody can be stored at -20 °C, stable for one year.

## Ψ Additional Info

<b>OFFICIAL SYMBOL:</b>	HA
<b>ALTERNATE NAMES:</b>	Seasonal H1N1 Hemagglutinin Antibody [7H12F6] :
<b>ACCESSION NO.:</b>	ACA28844
<b>PROTEIN GI NO.:</b>	168805691
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.

## Ψ Background and References

<b>BACKGROUND:</b>	Seasonal H1N1 Hemagglutinin Monoclonal Antibody: 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)).
<b>REFERENCES:</b>	1) Novel Swine-Origin Influenza A (H1N1) Virus Investigation Team, Dawood FS, Jain S, et al. Emergence of a novel swine-origin influenza A (H1N1) virus in humans. N. Engl. J. Med. 2009; 360:2605-15. 2) Morens DM, Taubenberger JK, and Fauci AS. The Persistent Legacy of the 1918 Influenza Virus. N. Engl. J. Med. 2009; Jun 29.

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