

Rabbit anti-Virus Seasonal H1N1 Hemagglutinin Polyclonal Antibody | anti-HA antibody

Seasonal H1N1 Hemagglutinin Antibody

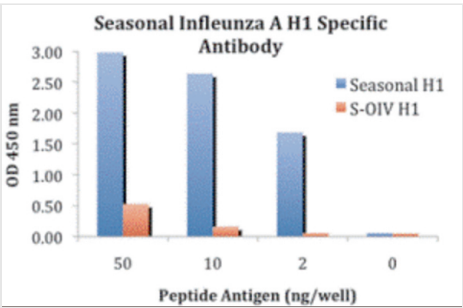
CATALOG # AAA39611	HOST Rabbit	REACTIVITY Virus	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

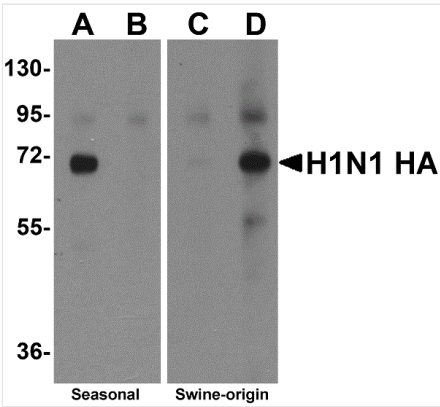
Seasonal H1N1 Hemagglutinin; Polyclonal Antibody; Seasonal H1N1 Hemagglutinin Antibody; hemagglutinin; anti-HA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Virus
Clonality	Polyclonal
Isotype	IgG
Specificity	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)). Will not cross-react with peptide corresponding to the swine-origin H1N1 influenza Hemagglutinin.
Purity/Purification	Seasonal H1N1 Hemagglutinin Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	565
Applicable Applications for anti-HA antibody	WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Hemagglutinin antibody was raised against a synthetic peptide from the Hemagglutinin protein. The peptide sequence is unique from the peptide sequence for product 5235 and 5239. This antibody is a cognate pair with product 5233.
Buffer	Seasonal H1N1 Hemagglutinin Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Seasonal H1N1 Hemagglutinin antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



ELISA
ELISA results using Seasonal H1N1 Hemagglutinin antibody at 1 μg/mL and the blocking and corresponding peptides at 50, 10, 2 and 0 ng/mL.



WB (Western Blot)
Western blot analysis of Hemagglutinin using recombinant seasonal Hemagglutinin (lanes A & B) and swine-origin Hemagglutinin (lanes C & D) with anti-seasonal Hemagglutinin antibody (5231) at 2 μg/mL (lanes A & C) and anti-swine-origin Hemagglutinin antibody (5233) at 2 μg/mL (lanes B & D).

ADDITIONAL INFORMATION

Related Product Information for anti-HA antibody	Seasonal H1N1 Hemagglutinin Antibody: Influenza A virus is a major public health threat, killing more than 30, 000 people per year in the USA. In early 2009, a novel swine-origin influenza A (H1N1) virus was identified in specimens obtained from patients in Mexico and the United States. The virus spread quickly around the world and on June 11, 2009, the World Health Organization declared it a pandemic. Influenza A virus has one of sixteen possible Hemagglutinin (HA) surface proteins and one of nine possible Neuraminidase (NA) surface proteins. The Hemagglutinin protein facilitates viral attachment while Neuraminidase is involved in viral release. These proteins also elicit immune responses that prevent infection or independently reduce viral replication. 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. The distinct antigenic properties of the new swine virus compared with seasonal influenza A (H1N1) virus suggest that human immunity against new swine influenza virus is limited, although the age distribution of reported cases suggests some degree of protection in older age groups.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	168805691
UniProt Accession #	BOVX44
Molecular Weight	63,198 Da
NCBI Official Full Name	hemagglutinin
UniProt Protein Name	Hemagglutinin
UniProt Gene Name	HA
UniProt Entry Name	BOVX44_9INFA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.