Datasheet for ABIN2468516

Hemagglutinin Protein (HA) (AA 17-338) (His tag,Strep II tag)

1 Image

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Overview

Quantity:	0.05 mg
Target:	Hemagglutinin (HA)
Protein Characteristics:	AA 17-338
Origin:	Influenza A Virus H5N1
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Hemagglutinin protein is labelled with His tag,Strep II tag.
Application:	ELISA, Western Blotting (WB), Mass Spectrometry (MS)

Product Details

Purity:	~95 %

Target Details

Target:	Hemagglutinin (HA)
Alternative Name:	Hemagglutinin (HA Products)
Target Type:	Influenza Protein
Background:	Influenza A virus is a major public health threat, killing more than 30,000 people per year in the USA (1). Novel influenza virus strains caused by genetic drift and viral recombination emerge periodically to which humans have little or no immunity, resulting in devastating pandemics. Influenza A can exist in a variety of animals, but it is in birds that all subtypes can be found (2). These subtypes are classified based on the combination of the virus coat glycoproteins

Target Details

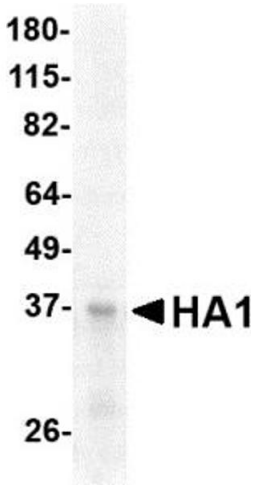
	hemagglutinin (HA) and neuraminidase (NA) subtypes. HA interacts with host cell surface proteins containing oligosaccharides with terminal sialyl residues. Its extracellular region has two domains (HA1 and HA2) , HA1 is cleaved from the main hemagglutinin protein by the host immune system. During 1997, an H5N1 avian influenza virus was determined to be the cause of death in 6 of 18 infected patients in Hong Kong (3). This more recent virulent strain of H5N1 is now seen in Africa and Europe, as well as in Southeast Asia. There is some evidence of human to human spread of this virus, but it is thought that the efficiency of this type of transmission is low (4). Virus isolated from a human infected with the H5N1 strain in 1997 could bind to oligosaccharides from human as well as avian sources, indicating its species-jumping ability (5). This HA1 recombinant protein is recognized by several ProSci hemagglutinin antibodies.
Molecular Weight:	39 kDa (Calculated)
Gene ID:	3654620
OMIM:	50365729
UniProt:	Q692M2

Application Details

Application Notes:	This recombinant protein can be used for WB, ELISA, MS.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	1X PBS containing 0.1 % SDS and 0.02 % NaN
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze/thaw cycles. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.
Storage:	-80 °C
Storage Comment:	Store in working aliquots at -70 °C.



Western Blotting

Image 1.