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Datasheet for ABIN2870843

Hemagglutinin Protein (HA) (AA 17-531) (His tag)

2 Images

Overview

Quantity:	100 µg
Target:	Hemagglutinin (HA)
Protein Characteristics:	AA 17-531
Origin:	Influenza Virus
Virus Strain:	A/Hong Kong/483/97
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Hemagglutinin protein is labelled with His tag.

Product Details

Sequence:	AA 17-531
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 60.3 kDa. The protein migrates as 66-100 kDa under reducing (R) condition (SDS-PAGE).
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	Hemagglutinin (HA)
Abstract:	HA Products
Target Type:	Influenza Protein

Target Details

Background: Neuraminidase (NA) and hemagglutinin (HA) are major membrane glycoproteins found on the surface of influenza virus. Hemagglutinin binds to the sialic acid-containing receptors on the surface of host cells during initial infection and at the end of an infectious cycle. Hemagglutinin also plays a major role in the determination of host range restriction and virulence. As a class I viral fusion protein, hemagglutinin is responsible for penetration of the virus into the cell cytoplasm by mediating the fusion of the membrane of the endocytosed virus particle with the endosomal membrane.

Molecular Weight: 60.1 kDa

Application Details

Restrictions: For Research Use only

Handling

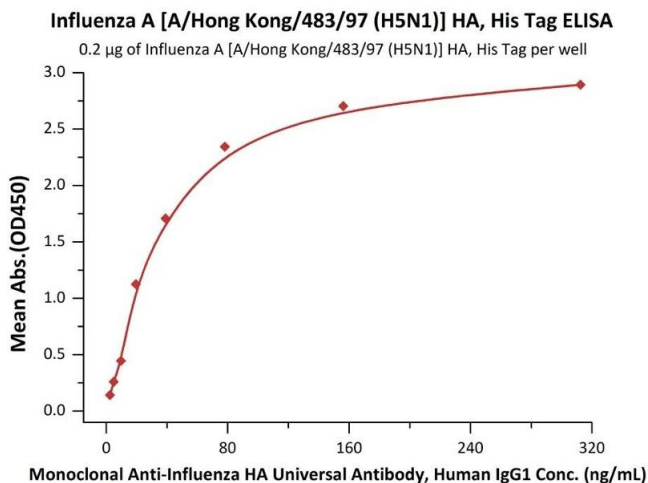
Format: Lyophilized

Buffer: PBS, pH 7.4

Handling Advice: Please avoid repeated freeze-thaw cycles.

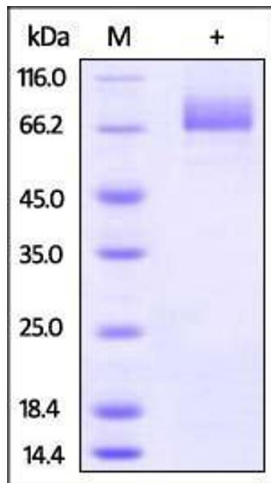
Storage: -20 °C

Images



ELISA

Image 1. Immobilized Influenza A [A/Hong Kong/483/97 (H5N1)] HA, His Tag (ABIN2870842, ABIN2870843) at 2 µg/mL (100 µL/well) can bind Aenza HA MAb CM2S3 with a linear range of 0.4-6 ng/mL (QC tested).



SDS-PAGE

Image 2. Influenza A [A/Hong Kong/483/97 (H5N1)] HA on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.