



Mouse Anti-IAV Haemagglutinin H7 Monoclonal Antibody, Clone B442 (CABT-CS665)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Influenza A haemagglutinin H7
Target	Influenza A haemagglutinin H7
Immunogen	Influenza A/Netherlands/219/03 H7N7 virus derived from allantoic fluid of 10 days old embryonated eggs
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	IAV
Clone	B442
Purification	Protein A chromatography
Conjugate	unconjugated
Applications	ELISA, sandwich immunoassay
Format	Liquid
Size	1 mg
Buffer	PBS, pH 7.4, 0.09 % sodium azide
Preservative	0.09 % sodium azide
Storage	2 -8°C

BACKGROUND

Introduction

Influenza hemagglutinin (HA) is a homotrimeric glycoprotein found on the surface of influenza viruses and is integral to its infectivity. HA is a Class I Fusion Protein, having multifunctional activity as both an attachment factor and membrane fusion protein. Therefore, HA is responsible for binding Influenza virus to sialic acid on the surface of target cells, such as cells in the upper respiratory tract or erythrocytes, causing as a result the internalization of the virus. Secondarily, HA is responsible for the fusion of the viral envelope with the late endosomal membrane once exposed to low pH (5.0-5.5).

Keywords

IAV; H7N7; Influenza A haemagglutinin H7; IAV H7; IAV haemagglutinin; IAV HA