



Magic™ Mouse Anti-IAV H5N1 HA Monoclonal antibody, clone 2C5 (DMAB-CS24174)

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

PRODUCT INFORMATION

Specificity	React with haemagglutinin H5
Target	IAV H5N1 HA
Immunogen	Purified avian influenza virus type A (H5N1)
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	IAV H5N1
Clone	2C5
Purification	Protein G
Conjugate	unconjugated
Applications	ELISA (Cap)
Format	Liquid
Size	1 mg
Buffer	PBS, pH 7.4, 0.09 % sodium azide
Preservative	0.09 % sodium azide
Storage	Store at 4°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. Secondly, 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

Influenza A virus; Influenzavirus A; IAV; Influenza A; IAV HA; H5N1; H5N1 HA; IAV H5N1