



# Magic™ Mouse Anti-IAV H5N1 HA Monoclonal antibody, clone 3D8 (DMAB-CS24175)

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

## PRODUCT INFORMATION

<b>Specificity</b>	React with haemagglutinin H5
<b>Target</b>	IAV H5N1 HA
<b>Immunogen</b>	Purified avian influenza virus type A (H5N1)
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	IAV H5N1
<b>Clone</b>	3D8
<b>Purification</b>	Protein G
<b>Conjugate</b>	unconjugated
<b>Applications</b>	ELISA (Det), HI
<b>Format</b>	Liquid
<b>Size</b>	1 mg
<b>Buffer</b>	PBS, pH 7.4, 0.09 % sodium azide
<b>Preservative</b>	0.09 % sodium azide
<b>Storage</b>	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