

Magic™ Mouse Anti-IAV H9N2 HA Monoclonal antibody, clone 29Z20 (DMAB-CS24345)

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

PRODUCT INFORMATION

Specificity	Avian Influenza Virus Type A H9N2 Subtype Hemagglutinin
Target	IAV H9N2 HA
Immunogen	Recombinant avian influenza virus type A H9N2 subtype hemagglutinin
Isotype	IgG
Source/Host	Mouse
Species Reactivity	IAV H9N2
Clone	29Z20
Conjugate	unconjugated
Applications	ELISA (Cap), LFIA
Format	Lyophilized
Size	10 µg, 100 µg, 1 mg
Buffer	1X Phosphate buffered saline, pH 7.4
Preservative	None
Storage	Store at -20°C to -80°C on receipt (up to 12 months). Avoid repeated freezing and thawing as this may denature the antibody.

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 Hemagglutinin; IAV HA; H9N2; H9N2 Hemagglutinin; H9N2 HA; IAV H9N2