



Mouse Anti-IAV H1N1 (A/California/06/2009) HA Monoclonal Antibody, Clone 107 (CABT-CS755)

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

PRODUCT INFORMATION

Specificity	Reacts with HA (2009 H1N1), but not with the seasonal strains (post 1957). No cross reactivity to other subtypes.
Target	H1N1 HA
Immunogen	Recombinant HA1 (A/California/06/2009(H1N1)) protein (aa 18~344) (GenBank Accession No. ACP41935)
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	IAV
Clone	107
Conjugate	unconjugated
Applications	ELISA, IP, IF
Format	Liquid
Concentration	1 mg/mL
Size	100 µg
Buffer	PBS with 40% glycerol
Preservative	None
Storage	Store at -20°C; Stable for 6-months from the date of shipment when kept at 4°C.

Nonhazardous.

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

H1N1 HA; IAV; IAV H1N1; IAV H1N1 HA; H1N1; Influenza A haemagglutinin H1; H1N1 haemagglutinin
