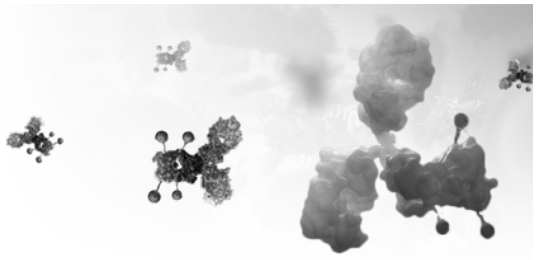

Mouse Anti-IAV H1N1 (Swine Flu/2009) HA Monoclonal Antibody, Clone 137 (CABT-CS762)

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

PRODUCT INFORMATION

Specificity	It recognizes an epitope in the head region of the 2009 swine flu H1. It has no or minimal crossreactivity to other subtypes.
Target	H1N1 HA
Immunogen	Sequential immunizations with two recombinant HA1 proteins from (A/Brisbane/59/2007/H1N1)(aa18-343)(GenBank Accession No. ACA28846) and (A/California/06/2009/H1N1)(aa18-344)(GenBank Accession No. ACP41935)
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	IAV
Clone	137
Conjugate	unconjugated
Applications	ELISA, Neut, IF, IP
Format	Liquid
Concentration	1 mg/mL
Size	100 µg
Buffer	PBS with 40% glycerol
Preservative	None

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Storage	Store at -20°C; Stable for 6-months from the date of shipment when kept at 4°C. Nonhazardous. No MSDS required.

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

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