



Mouse Anti-IAV H1N1 (A/California/06/2009) HA Monoclonal Antibody, Clone 2G0 (CABT-CS757)

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

PRODUCT INFORMATION

Specificity	Reacts with H1 (2009 H1N1, or Swine Flu), not react with seasonal flu strains (post 1957). No cross-reactivity to other subtypes.
Target	H1N1 HA
Immunogen	Recombinant HA1 protein (aa 18-344) (A/California/06/09)(H1N1) (GenBank Accession No. ACP41935)
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	IAV
Clone	2G0
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. No MSDS required.
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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
