



# Mouse Anti-IAV H1N1 (A/California/06/2009) HA Monoclonal Antibody, Clone 37E22 (CABT-CS756)

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

## PRODUCT INFORMATION

<b>Specificity</b>	Reacts with H1 (2009 H1N1, or Swine Flu), not react with seasonal flu strains (post 1957). No cross-reactivity to other subtypes.
<b>Target</b>	H1N1 HA
<b>Immunogen</b>	Recombinant HA1 protein (aa 18-344) (A/California/06/09)(H1N1) (GenBank Accession No. ACP41935).
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	IAV
<b>Clone</b>	37E22
<b>Conjugate</b>	unconjugated
<b>Applications</b>	ELISA, IP, IF
<b>Format</b>	Liquid
<b>Concentration</b>	1 mg/mL
<b>Size</b>	100 µg
<b>Buffer</b>	PBS with 40% glycerol
<b>Preservative</b>	None

---

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

---

## BACKGROUND

<b>Introduction</b>	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).
<b>Keywords</b>	H1N1 HA; IAV; IAV H1N1; IAV H1N1 HA; H1N1; Influenza A haemagglutinin H1; H1N1 haemagglutinin

---