



Mouse Anti-IAV H1N1 (A/Michigan/45/2015) HA Monoclonal Antibody, Clone 4B21 (CABT-CS763)

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

PRODUCT INFORMATION

Specificity	React with Influenza A hemagglutinin H1 (A/Michigan/45/2015/H1N1) and H1(A/California/07/2009/H1N1) only, no or minimal cross reaction to other HA subtypes as tested.
Target	H1N1 HA
Immunogen	Genetic immunization with full length HA1(A/Michigan/45/2015/H1N1)(aa 18-344) cDNA expression clone
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	IAV
Clone	4B21
Purification	Chromatography on protein G Sepharose.
Conjugate	unconjugated
Applications	WB, 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 at least 1 month from the date of shipment at 4°C. 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. 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	H1N1 HA; IAV; IAV H1N1; IAV H1N1 HA; H1N1; Influenza A haemagglutinin H1; H1N1 haemagglutinin