



Mouse Anti-IAV H3N2 (A/Switzerland/9715293/2013) HA Monoclonal Antibody, Clone N31 (CABT-CS774)

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

PRODUCT INFORMATION

Specificity	React with HA1 (A/Switzerland/9715293/2013/H3N2), not tested for its cross-reactivity to other HA proteins.
Target	H3N2 HA
Immunogen	DNA vaccine expressing recombinant HA1 (A/Switzerland/9715293/2013/H3N2) protein (aa 17-346) (GISAID Accession#: EPI543763)
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	IAV
Clone	N31
Purification	Chromatography on protein A Sepharose
Conjugate	unconjugated
Applications	ELISA, WB, IF, IP
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.

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	H3N2 HA; IAV; IAV H3N2; IAV H3N2 HA; H3N2; Influenza A haemagglutinin H3; H3N2 haemagglutinin