



Mouse Anti-IAV NP Monoclonal antibody, clone D54 [HRP] (CABT-CS096)

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

PRODUCT INFORMATION

Specificity	Reacts with NP of all influenza A viruses tested, including seasonal H2N2, H3N2, and avian H5N1, H5N2 and H1N1 (seasonal, pandemic and swine). No cross reactivity with influenza B viruses.
Target	IAV NP
Immunogen	Human Influenza A Virus (H2N2) Okada strain
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	IAV
Clone	D54
Purification	Purified by proprietary chromatography procedure under mild conditions. 90-95% pure by SDS-PAGE
Conjugate	HRP
Applications	WB, IC, IHC, ELISA
Format	Liquid
Concentration	1 mg/mL
Size	50 µg
Buffer	PBS, 50% glycerol

Preservative	None
Storage	Ship at 4°C and store at -20°C.

BACKGROUND

Introduction	Influenza virus nucleoprotein (NP) is a major component of the ribonucleoprotein complex and is abundantly expressed during the course of infection. It is a structural protein, which encapsidates the negative strand viral RNA and is essential for RNA transcription, replication and packaging. NP binds the PB1 and PB2 subunits of the viral RNA polymerase and the matrix protein M1, in addition to its binding to ssRNA. NP is also known to interact with variety of other macromolecules of both viral and cellular origins, and these interactions have been shown to be essential for the viral lifecycle.
Keywords	IAV NP; IAV Nucleoprotein; IAV Nucleocapsid protein; IAV