Anti-Influenza B Matrix Protein M1 Monoclonal Antibody

Introduction The M1 protein is a matrix protein of the influenza virus. It forms a coat inside the viral envelope. This is a bifunctional membrane/RNA-binding protein that mediates the encapsidation of RNA-nucleoprotein cores into the membrane envelope. It is therefore required that M1 binds both membrane and RNA simultaneously. The M1 protein forms a layer under the patches of host cell membrane that are rich with the viral hemagglutinin, neuraminidase and M2 transmembrane proteins, and facilitates budding of the mature viruses.

Applications ELISA, WB, sandwich immunoassay.

Description Mouse anti-Influenza B M1 monoclonal antibody

Immunogen Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with purified influenza B/Tokyo/53/99 virus derived from allantoic fluid of 10 days old embryonated eggs

Specificity React with Influenza B matrix protein M1

Purification Chromatography on protein A Sepharose.

Storage Store at -20 ^{o}C; Stable for at least 1 month from the date of shipment at 4 ^{o}C.

Concentration 1 µg/µl in PBS, 0.1% sodium azide.

Size 100 µg

Usage This product does not contain livestock or poutry disease agents, non-toxic/non contagious and is not intended for human use, only for laboratory research and development.

Product	Cat#	Clone#	Isotype	Suggested Applications
Anti-Influenza B M1	MIB-M1-004	Clone H04	IgG1	ELISA, WB
Anti-Influenza B M1	MIB-M1-015	Clone H15	IgG1	ELISA, WB

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