



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti-Influenza B Matrix Protein M1 With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-03440

Target Species
Viral

Isotype
IgG1

Preparation

Immunogen: Influenza B virus derived from allantoic fluid of 10 day old embryonated eggs.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline

Preservative Stabilizers: 0.09% Sodium Azide (NaN₃)

Approx. Protein Concentrations: IgG concentration 1.0 mg/ml

Specificity

DS-MB-03440 recognizes the matrix protein (M1) of Influenza virus B. The M1 protein, a 27kDa membrane-binding protein, is the most abundant protein in the virus particle and forms the major structural component of the virion, beneath a lipid envelope containing the viral hemagglutinin and neuraminidase glycoproteins and the M2 ion channel. M1 controls the intracellular trafficking of ribonucleoproteins and is also essential for virus budding. The protein can also dimerize under certain conditions.

Applications

Table Summary of antibody applications and working conditions

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Flow Cytometry			•	
Immunoprecipitation			•	
Western Blotting	•			
ELISA	•			

Note: Other applications are not tested yet. Optimal dilutions should be determined.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5000-1:10000

Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 18 months from date of dispatch.

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