



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

MOUSE ANTI RUBEOLA

With HRP-conjugated secondary antibody

Catalog No.
DS-MB-02276

Species:
Virus

Isotype:
Mouse IgG1

Description

Measles virus (MV), also known as Rubeola, is an acute viral illness that can be complicated by severe pneumonia, diarrhea and encephalitis. A paramyxovirus of the genus Morbillivirus, MV is an enveloped and nonsegmented negative-stranded RNA virus. Because it is spread through respiration, Measles is highly contagious and airborne precautions should be taken for all suspected cases of measles. After transmission, the virus infects the epithelial cells of its new host, and may also replicate in the urinary tract, conjunctivae, blood vessels, lymphatic system and central nervous system. The Measles virus contains two envelope glycoproteins, the haemagglutinin (H) and fusion proteins, which are responsible for membrane fusion and attachment. The nucleoprotein of the Measles virus is also known as the nucleocapsid protein. It is the basic architecture of a virus, comprised of a core of nucleic acid captured in a protein coat.

Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	•			1/1K - 1/4K
Western Blotting			•	
Immunohistology - frozen			•	
Immunohistology - paraffin			•	
Immunohistology - resin			•	
Immunoprecipitation			•	
Flow Cytometry			•	
Immunofluorescence staining			•	
Neutralization			•	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

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



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Preparation

Immunogen was recombinant protein derived from Edmonston strain. This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with the immunogen. The IgG fraction of tissue culture supernatant was purified by Protein A chromatography

Reconstitution

Supplied as 200 µg of purified antibody. It is reconstituted with sterile PBS buffer, pH 7.2, 0.1% Sodium Azide. Its final concentration is 1.7 mg/ml. **Please avoid freeze-thaw cycles.**

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 -20°C only. Shipped at 4°C and minimize freezing and thawing when use.

Reference

Warnes, A., Fooks, A.R., and Stephenson, J.R. 1995. Production of Measles nucleoprotein in different expression systems and its use as a diagnostic reagent. J. Virol. Methods 49: 257-268.

Halsey, N.A. 2006. Measles in developing countries. BMJ 333: 1234.

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