



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti Rabies Virus Glycoprotein

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-03521

Target Species
Viral

Isotype
IgG2a

Preparation

Immunogen: Purified rabies virus

Purification: Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Fusion Partners: Spleen cells from immunized Balb/c mice were fused with cells of the Sp2/0 myeloma cells.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline pH7.4

Preservative Stabilizers: 0.09% Sodium Azide (NaN_3)

Approx. Protein Concentrations: IgG concentration 1.0 mg/ml

Specificity

DS-MB-03521 recognizes the glycoprotein of rabies virus, a Lyssavirus that causes rabies in mammals. The virus is found in the saliva of infected animals and is mostly spread through bites. The virus then travels through the peripheral nervous system to the central nervous system. Once it reaches the brain it causes acute encephalitis. Symptoms include paralysis, cerebral dysfunction, anxiety, insomnia, confusion, anger, paranoia, terror and hallucination. The production of a large amount of saliva, the inability to speak or swallow and associated hydrophobia is also common in the later stages of the disease. The time between exposure to the virus and onset of symptoms can range from about 2 weeks to several months. Once symptoms appear, death is virtually inevitable. However, the disease can be effectively treated by post-exposure prophylaxis, through vaccination, provided this is done as soon as possible.

DS-MB-03521 recognizes the purified glycoprotein of the rabies virus as well as the native virus. It has been shown to react with intact infected BHK cells and has therapeutic effect on infected mice. The antibody has virus-neutralizing activity with several rabies virus strains such as CVS, Lagos bat, Mokola, Flury LEP and Duvenhage.

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



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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 shipment

Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	•			
Western Blotting			•	
IHC – Frozen	•			
IHC – Paraffin			•	
Flow Cytometry			•	
Immunofluorescence	•			
Functional Assays	•			

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

Secondary Antibody Applications

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

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