

Datasheet: MCA2828

BATCH NUMBER 168023

Description:	MOUSE ANTI RABIES VIRUS GLYCOPROTEIN
Specificity:	RABIES VIRUS GLYCOPROTEIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	1C5
Isotype:	IgG2a
Quantity:	0.2 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting			▪	
Immunofluorescence	▪			
Functional Assays (1)	▪			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.
(1)Sodium azide needs to be removed by dialysis before use of this antibody in functional assay

Target Species	Viral
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	<0.1% Sodium Azide (NaN ₃)

Stabilisers

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen Purified rabies virus.

RRID AB_1125351

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

Specificity **Mouse anti Rabies Virus Glycoprotein antibody, clone 1C5** 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.

Mouse anti Rabies Virus Glycoprotein antibody, clone 1C5 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-neutralising activity with several rabies virus strains such as CVS, Lagos bat, Mokola, Flury LEP and Duvenhage.

Storage This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/MCA2828>
10040

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC

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