

Datasheet: MCA1295F

Description:	MOUSE ANTI RAT IgG2c HEAVY CHAIN:FITC
Specificity:	IgG2c HEAVY CHAIN
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	MARG2c-5
Isotype:	IgG2a
Quantity:	0.5 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	■			5ug/ml
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Rat		
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
Preparation	Purified IgG prepared by affinity chromatography from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.1% Sodium Azide (NaN ₃)		
Stabilisers	50% Glycerol		
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml		
Immunogen	IgG2c (Rat strain LOU/c).		
External Database Links	UniProt: P20762 Related reagents		

Entrez Gene:[362795](#) [LOC362795](#) [Related reagents](#)

Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line.
Specificity	Mouse anti Rat IgG2c heavy chain antibody, clone MARG2c-5 recognizes the heavy chain of rat immunoglobulin gamma 2C as determined by dot blot analysis.
References	1. Delriviere, L.D. <i>et al.</i> (1998) Basic anatomical and physiological differences between species should be considered when choosing combinations for use in models of hepatic xenotransplantation: an investigation of the guinea pig-to-rat combination. Transplantation. 66: 112-5. 2. Lin, Y. <i>et al.</i> (1999) Accommodated xenografts survive in the presence of anti-donor antibodies and complement that precipitate rejection of naive xenografts. J Immunol. 163: 2850-7. 3. Lin, Y. <i>et al.</i> (2000) Long-term survival of hamster hearts in presensitized rats. J Immunol. 164: 4883-92.
Further Reading	1. van den Berg, T.K. <i>et al.</i> (2001) Monoclonal antibodies against rat leukocyte surface antigens. Immunol Rev. 184: 109-16.
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. This product is photosensitive and should be protected from light. 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 despatch.
Health And Safety Information	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10328 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10328.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL:FITC \(MCA1210F\)](#)**North & South** Tel: +1 800 265 7376**America** Fax: +1 919 878 3751Email: antibody_sales_us@bio-rad.com**Worldwide**

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