

Datasheet: MCA1295F

BATCH NUMBER 164601

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 product 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 product 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 on Protein G from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃) 50% Glycerol		

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	IgG2c (Rat strain LOU/c).
External Database Links	<p>UniProt: P20762 Related reagents</p> <p>Entrez Gene: 362795 LOC362795 Related reagents</p>
RRID	AB_323212
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	<ol style="list-style-type: none"> 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. 4. Ueta, H. <i>et al.</i> (2018) Single blood transfusion induces the production of donor-specific alloantibodies and regulatory T cells mainly in the spleen. Int Immunol. 30 (2): 53-67.
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	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10328 available at: https://www.bio-rad-antibodies.com/SDS/MCA1295F10328

Related Products

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL:FITC \(MCA1210F\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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