

## Datasheet: MCA1295F

<b>Description:</b>	MOUSE ANTI RAT IgG2c HEAVY CHAIN:FITC
<b>Specificity:</b>	IgG2c HEAVY CHAIN
<b>Format:</b>	FITC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	MARG2c-5
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Rat		
<b>Product Form</b>	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	FITC	490	525
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative Stabilisers</b>	0.1% Sodium Azide (NaN <sub>3</sub> ) 50% Glycerol		
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml		

<b>Immunogen</b>	IgG2c (Rat strain LOU/c).
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P20762</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">362795</a>    LOC362795    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_323212
<b>Fusion Partners</b>	Spleen cells from immunized BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line.
<b>Specificity</b>	<b>Mouse anti Rat IgG2c heavy chain antibody, clone MARG2c-5</b> recognizes the heavy chain of rat immunoglobulin gamma 2C as determined by dot blot analysis.
<b>References</b>	<ol style="list-style-type: none"> <li>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. <a href="#">Transplantation. 66: 112-5.</a></li> <li>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. <a href="#">J Immunol. 163: 2850-7.</a></li> <li>3. Lin, Y. <i>et al.</i> (2000) Long-term survival of hamster hearts in presensitized rats. <a href="#">J Immunol. 164: 4883-92.</a></li> <li>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. <a href="#">Int Immunol. 30 (2): 53-67.</a></li> </ol>
<b>Further Reading</b>	1. van den Berg, T.K. <i>et al.</i> (2001) Monoclonal antibodies against rat leukocyte surface antigens. <a href="#">Immunol Rev. 184: 109-16.</a>
<b>Storage</b>	<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>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10328 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1295F10328">https://www.bio-rad-antibodies.com/SDS/MCA1295F10328</a>
<b>Regulatory</b>	For research purposes only

## 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](https://bio-rad-antibodies.com/datasheets)  
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