

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 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

UniProt:

[P20762](#) [Related reagents](#)

Entrez Gene:

[362795](#) LOC362795 [Related reagents](#)

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

1. Delriviere, L.D. *et al.* (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. *et al.* (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. *et al.* (2000) Long-term survival of hamster hearts in presensitized rats. [J Immunol. 164: 4883-92.](#)
 4. Ueta, H. *et al.* (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.](#)
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Further Reading

1. van den Berg, T.K. *et al.* (2001) Monoclonal antibodies against rat leukocyte surface antigens. [Immunol Rev. 184: 109-16.](#)
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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. 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.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10328 available at: 10328: <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 \(MCA1210F\)](#)

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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
'M365102:200529'

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