

Datasheet: MCA1295

Description:	MOUSE ANTI RAT IgG2c HEAVY CHAIN
Specificity:	IgG2c HEAVY CHAIN
Format:	Purified
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	■			1/200 - 1/1000
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA	■			5ug/ml as coating antibody
Immunoprecipitation			■	
Western Blotting			■	

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 - liquid
Preparation	Purified IgG prepared by affinity chromatography from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃)
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.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul
ELISA	Clone MARG2c-5 may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA with our HRP-conjugated MARK-1/MARL-15 clone cocktail (MCA1296P) as the detection reagent.
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. 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 #10303 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10303.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...) [RPE](#)

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)

Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®549](#),
[DyLight®649](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Human Anti Mouse IgG2a (HCA037...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA1210\)](#)

North & South America	Tel: +1 800 265 7376	Worldwide	Tel: +44 (0)1865 852 700	Europe	Tel: +49 (0) 89 8090 95 21
	Fax: +1 919 878 3751		Fax: +44 (0)1865 852 739		Fax: +49 (0) 89 8090 95 50
	Email: antibody_sales_us@bio-rad.com		Email: antibody_sales_uk@bio-rad.com		Email: antibody_sales_de@bio-rad.com

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