

Datasheet: MCA1295

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| 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.

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| 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 |

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| 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_321841 |
| 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 | <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>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>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.</p> |
| Guarantee | 12 months from date of despatch |

Health And Safety Information Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Rabbit Anti Mouse IgG (STAR8...) [DyLight@800](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Human Anti Mouse IgG2a (HCA037...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@680](#),
[DyLight@800](#), [FITC](#), [HRP](#)

Recommended Negative Controls

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

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|----------------------------------|---|------------------|---|---------------|---|
| North & South America | Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com | Worldwide | Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com | Europe | Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com |
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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
'M365101:200529'

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