

## Anti-Rat IgG2a (MARG2a-1)

### Mouse Monoclonal Antibody

Cat. No.	Conjugate	Unit Size
MARG2a-1-P-0.1	purified	100µl
MARG2a-1-P-0.5	purified	500µl
MARG2a-1-P-1	purified	1ml
MARG2a-1-HRP-0.5	Peroxidase	500µl
MARG2a-1-HRP-1	Peroxidase	1ml
MARG2a-1-FITC-0.5	FITC	500µl
MARG2a-1-FITC-1	FITC	1ml
MARG2a-1-BIOT-0.5	Biotin	500µl
MARG2a-1-BIOT-1	Biotin	1ml

#### Product Information

<b>Supplied as:</b>	1 mg/ml affinity purified antibody prepared in PBS buffer, pH 7.6, with 0.09% sodium azide as preservative FITC and Biotin labelled antibodies are supplied in PBS buffer, pH 7.6, with 0.09% sodium azide and 50% glycerol.
<b>Origin:</b>	Hybridoma derived by hybridization of spleen cells from immunized mice with the PAI-O mouse myeloma cell line.
<b>Immunogen:</b>	IgG2a (Polyclonal antibodies anti horse spleen ferritin, IR33 (1,2)
<b>Clone:</b>	MARG2a-1
<b>Host / Isotype:</b>	Mousekappa IgG1
<b>Reactivity:</b>	Rat gamma 2a heavy chain of immunoglobulin (determined by immunodot) (2) The specificity of MAbs anti-IgG subclasses is determined in a range of optimal concentrations. Increasing the primary or secondary antibody at a higher concentration than necessary
<b>Cross-Reactivity:</b>	not determined
<b>Avidity:</b>	on rat IgG2a: $2.1 \times 10^9 \text{ M}^{-1}$
<b>Applications:</b>	<ul style="list-style-type: none"> <li>- CAN BE USED IN IMMUNOAFFINITY CHROMATOGRAPHY for purification of Rat IgG2a (Solid phase Sepharose 4B CNBr act.)</li> <li>- CAN BE USED AS SECOND ANTIBODY IN IMMUNOASSAYS</li> <li>- CAPTURE ELISA: WEAK BINDING ON PLASTICS</li> <li>- CAN BE COATED ON NITROCELLULOSE (DOT-ELISPOT)</li> <li>- CAN BE USED ON CRYOSECTIONS (IMMUNOHISTOLOGY) AS FIRST ANTIBODY LABELLED WITH PEROXIDASE OR FITC</li> <li>- CANNOT BE FROZEN AND THAWED MANY TIMES. SUSCEPTIBLE TO BE DENATURED BY SUCH A TREATMENT.</li> </ul>
<b>Storage and Stability:</b>	<p>For longterm storage store product at -20°C.</p> <p>At 2-8°C the undiluted stock solution of the antibody is stable for a few weeks. Repeated freezing and thawing of unconjugated antibody should be avoided. It is recommended to aliquot unconjugated antibody before freezing. Labelled antibodies (Peroxidase, FITC, Biotin) contain 50% glycerol as antifreezing and remain liquid at -20°C. In this case aliquoting is not required.</p> <p>It's recommended to prepare a working dilution fresh prior to use.</p> <p>Expiry information is given on the label and / or data sheet supplied upon delivery</p>

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**Safety Information:** Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Purified, FITC, and Biotin labelled antibody contains 0.09% sodium azide (a poisonous and hazardous substance) as preservative. Although this concentration is not regarded as dangerous to health, appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. Peroxidase conjugate contains no hazardous constituents.

**Note:** *This information sheet contains general product information only. For detailed lot specific information consult the label and data sheet supplied by the manufacturer upon delivery of the product.*

**References:**

- (1) Bazin H., Beckers A., Deckers C. & Moriame M. Transplantable immunoglobulin-secreting tumours in rats.V.Monoclonal immunoglobulins secreted by 250 ileocecal immunocytomas in the LOU/Wsl rats. J. Nat. Cancer Inst. 1973,51:1359-1361
- (2) Bazin H., Beckers A. & Querinjean P. Three classes and four subclasses of rat immunoglobulins: IgM, IgA, IgE and IgG1, IgG2a, IgG2b, IgG2c. Eur. J. Immunology 1974,4:44-48

Selected references of scientific publications in which MARG2a-1 was used:

Castedo M. et al. Int. Immunology, 1993, 5: 1569-1576  
Soares M. et al. Transplantation 1993, 56: 1427-1433  
Vanhove B., Bazin H. Mol. Immunology, 1992, 29:1-8  
Reding et al. Transplant Immunol. 1994, 2: 231-237  
Routledge E.G. et al. Transplantation 1995, 60: 847-853  
Soares et al., Transplant. Proc. 1995, 27: 282-285  
Bach,F.H. et al. Nature Medicine 1997, 3: 196-204

For more information, see:

"Rat Hybridomas and Rat Monoclonal Antibodies". H. BAZIN (Ed.). CRC Press, Boca Raton, Florida, USA, 1990, 515 pages.

**This product is for In Vitro experimental use only. Not for Therapeutic or Diagnostic use.**

This product is warranted to perform in conformance with the product specifications provided by the manufacturer and to be free from defects in material and workmanship. Products are supplied for research use only. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated, this warranty is limited to the period of stability as indicated on the label and / or data sheet at the time of delivery of the product when the product is subjected to normal, proper and intended usage. The remedy for non-conforming products is limited to replacement of or refund for the non-conforming product(s). There is no obligation to replace products as the result of accident or inappropriate use, improper storage or handling of the products

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