

## Monoclonal Antibody to Mouse IgG2a (heavy chain) - FITC

<b>Alternate names:</b>	Mouse Immunoglobulin 2a
<b>Catalog No.:</b>	SM1018F
<b>Quantity:</b>	0.5 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Host / Isotype:</b>	Rat / IgG1
<b>Clone:</b>	LO-MG2a-7
<b>Immunogen:</b>	Spleen cells from immunised LOU/c rats were fused with cells of the IR983F myeloma cell line.
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction <b>Purification:</b> Affinity Chromatography <b>Buffer System:</b> PBS <b>Preservatives:</b> 0.09% Sodium Azide <b>Stabilizers:</b> 50% Glycerol <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
<b>Applications:</b>	<b>Flow Cytometry:</b> Use 10 µl of 5.0 µg/ml diluted antibody to label 10 <sup>6</sup> cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	LO-MG2a-7 is specific for the Gamma 2a heavy chain of Mouse Ig. This antibody recognizes an allotypic determinant upon Mouse IgG2a. It does recognize the IgH Ia allotype (as expressed in Balb/c mice), but <u>not</u> the IgH Ib allotype (as expressed in C57/BL mice). <b>Species:</b> Mouse. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
<b>General References:</b>	1. Jarman, E. et al. (2004) Reversal of established CD4+ type 2 Thelper-mediated allergic airway inflammation and eosinophilia by therapeutic treatment with DNA vaccines limits progression towards chronic inflammation and remodelling. <i>Immunology</i> 112: 631-642. 2. Bazin, H. (1982) Production of rat monoclonal antibodies with the LOU rat non secreting IR983F myeloma cell line. <i>Prot. Biol. Fluids.</i> 615-618. Pergamon Press, Oxford and New York. 3. Nagao, K. et al. (2003) Role of prostaglandin I2 in airway remodeling induced by repeated allergen challenge in mice. <i>Am J Respir Cell Mol Biol.</i> 29: 314-20. 4. Bazin, H. et al. (1984) Rat monoclonal antibodies. I. Rapid purification from in vitro

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