

## Monoclonal Antibody to Rat IgE - FITC

<b>Catalog No.:</b>	SM1029F
<b>Quantity:</b>	0.5 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	IgE is the class of antibodies produced in the lungs, skin, and mucous membranes. It may protect against parasite invasion, but it is a major factor in allergic reactions. The antigen-specific IgE interacts with mast cells and eosinophils, triggers the release of histamine, leukotrienes and other substances that lead to the itching, sneezing and congestion of allergies - and the life threatening respiratory distress of asthma and anaphylactic shock.
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	MARE-1
<b>Immunogen:</b>	Rat IgE myeloma proteins (IR162, IR1016, IR2 and IR410).
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction. <b>Purification:</b> Affinity Chromatography. <b>Buffer System:</b> PBS, pH 7.4 containing 50% Glycerol and 0.09% Sodium Azide. <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
<b>Applications:</b>	<b>Flow Cytometry:</b> Use 50 µl of 5 µg/ml diluted antibody to label 2 x 10e7 cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	Specific for the epsilon chain of Rat IgE and does not cross-react with other classes of Rat immunoglobulin. <b>Species:</b> Rat. 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. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General References:</b>	1. Negrao-Cooea, D. et al. (1996) Intestinal Transport and catabolism of IgE. A major Blood-Independent Pathway of IgE Dissemination during a Trichinella spirali Infection of Rats. J. Immunol. 157: 4037-4044. 2. Bazin, H. et al. (1978) Transplantable IgD immunoglobulin-secreting tumors in rat. J. Immunol. 121: 2077-2082. 3. Bazin, H. et al. (1984) Rat monoclonal antibodies. I. Rapid purification from in vitro culture supernatants. J. Imm. Methods 66: 261-269. 4. Bazin, H. et al. (1984) Rat monoclonal antibodies. II. A rapid and efficient method of purification from ascitic fluid or serum. J. Imm. Methods 71: 9-16.

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

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