

Monoclonal Antibody to Rat IgG2a (heavy chain) - Purified

Catalog No.:	SM1031P
Quantity:	0.25 mg
Concentration:	1.0 mg/ml
Host / Isotype:	Mouse / IgG1
Clone:	MARG2a-1
Immunogen:	Polyclonal rat IgG2a. Spleen cells from immunised BALB/c mice were fused with cells of the mouse PAI-O myeloma cell line.
Format:	State: Liquid purified IgG Purification: Affinity chromatography Buffer System: PBS containing 0.09% Sodium Azide
Applications:	ELISA: 1.25 µg/ml; This antibody may be used as a coating antibody in ELISA in combination with clone MARK-1/MARL-15 as detection reagent and purified rat IgA (SA021). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the gamma 2a immunoglobulin heavy chain, and does not cross-react with other immunoglobulin classes or subclasses. Species: Rat. Other species not tested. Affinity Constant: 2.1 x 10 ⁹ Me ⁻¹
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General References:	1. Bazin, H. et al. (1974) Three classes and four (sub) classes of rat immunoglobulins: IgM, IgA, IgE and IgG1, IgG2a, IgG2b, IgG2c. Eur. J. Immunol. 4: 44-48. 2. Kohler, G. and Milstein, C. (1975) Continuous cultures of fused cells secreting antibody of predefined specificity. Nature. 256: 495-497. 3. Schulman, M. et al. (1978) A better cell line for making hybridomas secreting specific antibodies. Nature. 276: 269-270. 4. Bazin, H. et al. (1973) Brief communication: Transplantable immunoglobulin-secreting tumors in rats. V. Monoclonal immunoglobulins secreted by 250 ileocecal immunocytomas in LOU-Wsl rats. J. Natl. Cancer Inst. 51: 1359-1361. 5. Bazin, H. et al. (1978) Transplantable IgD immunoglobulin-secreting tumors in rat. J. Immunol. 121: 2077-2082.

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

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
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