

Monoclonal Antibody to MHC Class II (RT1B) (monomorphic) - PE

Catalog No.:	SM084R
Quantity:	100 Tests
Host / Isotype:	Mouse / IgG1
Clone:	OX-6
Immunogen:	Rat Thymocyte membrane glycoprotein. Spleen cells from immunised BALB/c mice were fused with cells of the NS1 mouse myeloma cell line.
Format:	State: Lyophilized purified IgG Purification: Affinity chromatography on Protein G Buffer System: PBS, pH7.2 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: PE – R. Phycoerythrin (RPE) Reconstitution: Restore with 1 ml distilled water
Applications:	Flow Cytometry: Neat - 1/10; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises a monomorphic determinant of the rat I-A antigen present on B lymphocytes, dendritic cells, some macrophages and certain epithelial cells. This antibody cross reacts with certain mouse strains of MHC haplotypes k and s. Analysis of recombinant mouse strains showed that the determinants mapped to the I-A region. The clone does not recognise the Rat BDIX strain. Species: Rat, Mouse. Other species not tested.
Storage:	Prior to and following reconstitution store the antibody at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
General References:	1. McMaster, W. R. and Williams, A. F. (1979) Identification of Ig glycoproteins in rat thymus and purification from rat spleen. <i>Eur. J. Immunol.</i> 9: 426-433. 2. Fernandez, J. L. and Weeks, M. (1986) Genetic monitoring of inbred strains of mice using monoclonal antibodies to major histocompatibility haplotypes and lymphocyte alloantigens. <i>Lab. Anim.</i> 20: 293-297. 3. Charteris, D. G. and Lightman, S. L. (1993) In vivo lymphokine production in experimental autoimmune uveoretinitis. <i>Immunology.</i> 78: 387-392. 4. Whiteland, J. L. et al. (1995) Immunohistochemical detection of T-cell subsets and other leucocytes in paraffin-embedded rat and mouse tissues with monoclonal antibodies. <i>J.</i>

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.

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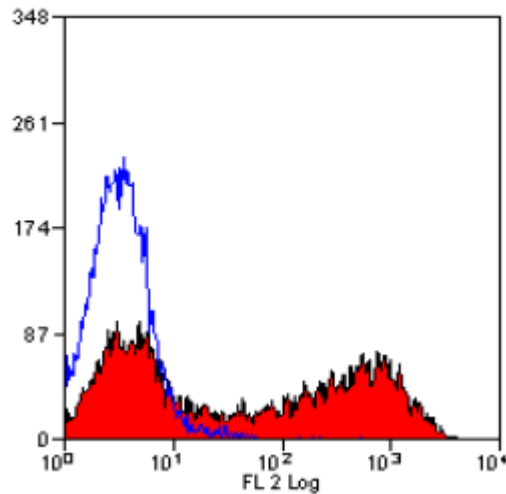
Histochem. Cytochem. 43: 313-320.

5. McKechnie, N. M. et al. (1997) Immunization with the cross-reactive antigens Ov39 from *Onchocerca volvulus* and hr44 from human retinal tissue induces ocular pathology and activates retinal microglia. *J. Infect. Dis.* 176: 1334-1343.

6. Male, D. K. et al. (1987) Serological evidence from a defect in RT1. B (I-A) expression by the BDIX rat strain. *J. Immunogenet.* 14: 301-312.

7. Burrows, G. G. et al. (1998) Two-domain MHC class II molecules form stable complexes with myelin basic protein 69-89 peptide that detect and inhibit rat encephalitogenic T cells and treat experimental autoimmune encephalomyelitis. *J. Immunol.* 161: 5987-5996.

Pictures:



Staining of rat spleen cells with mouse anti rat RT1B: RPE

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