

Monoclonal Antibody to RLA-DQ - FITC

Alternate names:	MHC Class II RLA-DQ
Catalog No.:	AM08101FC-N
Quantity:	0.5 mg
Concentration:	0.5 mg/ml
Host / Isotype:	Mouse / IgG2a
Clone:	2C4
Immunogen:	Rabbit spleen cells.
Format:	State: Liquid purified Ig fraction. Buffer System: PBS containing 0.09% Sodium Azide as preservative. Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: < / = 1 µg/10e6 cells. (Ref.1,3) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is specific to Rabbit RLA-DQ alpha chain (Mr ~35 kDa). It reacts with RLA-DQ-transfected cells, but not with RLA-DR-transfected cells. (Ref.2) In normal adult rabbits, the antibody reacts with 30-60% of peripheral blood leukocytes. (Ref.2,3) It has also been reported that the antibody stains: lymphocytes and macrophages in the spleen; lymphocytes in the thymic medulla and some cells in the cortex; Kupffer cells in the liver; and synovial lining cells (i.e., infiltrating macrophages) in inflamed synovium. (Ref.4) DQ alpha transcripts have been detected in bone marrow and spleen and, to a lesser extent, in appendix, lymph nodes, and other organs. (Ref.5) Species: Rabbit. Other species not tested.
Storage:	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.
General Readings:	1. Lobel, S.A., and K.L. Knight. 1984. The role of rabbit Ia molecules in immune functions as determined with the use of an anti-Ia monoclonal antibody. <i>Immunology</i> 51:35-43. 2. Spieker-Polet, H., N. Sittisombut, P.-C. Yam, and K.L. Knight. 1990. Rabbit major histocompatibility complex IV. Expression of major histocompatibility complex class II genes. <i>J. Immunogenetics</i> 17:123-132.

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

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3. Southern Biotechnology Associates, Inc. Unpublished observations.
4. Wilkinson, J. M., G. McDonald, S. Smith, J. Galea-Lauri, J. Lewthwaite, B. Henderson, and P.A. Revell. 1993.
Immunohistochemical identification of leucocyte populations in normal tissue and inflamed synovium of the rabbit. *J. Pathol.* 170:315-320.
5. Kulaga, H., J.-A. Sogn, J.D. Weissman, P.N. Marche, C. LeGuern, E.O. Long, and T.J. Kindt. 1987. Expression patterns of MHC class II genes in rabbit tissues indicate close homology to human counterparts. *J. Immunol.* 139:587-592.

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