

## Acris Antibodies, Inc.

6815 Flanders Drive, Suite 140 San Diego, CA 92121 UNITED STATES Phone: +1-858-888-7900 Fax: +1-858-888-7904 US-info@acris-antibodies.com AM08075FC-N

Acris Antibodies GmbH

Schillerstr. 5 32052 Herford GERMANY Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info@acris-antibodies.com

## Monoclonal Antibody to MHC Class II I-Ab - FITC

Alternate names:	H-2 class II histocompatibility antigen I-A beta chain, H2-Eb1
Catalog No.:	AM08075FC-N
Quantity:	0.5 mg
Concentration:	0.5 mg/ml
Background:	MHC Class II antigens are heterodimers consisting of one alpha chain(31-34kD) and one beta chain (26-29kD). The family of monoclonal antibodies (ER-TR 3, ER-TR 2, ER-TR 1) detect MHC class II antigens encoded by the murine Ia region of the H-2 complex, corresponding to the human HLA-DR region. MHC Class II antigens are a valuable tool for studying T helper cell interaction with class II positive antigen presenting cells (dendritic cells, B cells, macrophages) and offer new possibilities for studying the development of T helper cells since these antibodies also stain stromal cells in the thymus. MHC Class II antigens are also inducible on a number of other cells (endothelium and epithelial cells) by interferon gamma.
Uniprot ID:	<u>P18468</u>
NCBI:	<u>10090</u>
Host / Isotype:	Rat / IgG2b
Clone:	NIMR-4
Format:	<b>State:</b> Liquid purified Ig fraction. <b>Buffer System:</b> PBS containing 0.09% Sodium Azide as preservative. <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	<b>Flow Cytometry:</b> < $/ = 1 \mu g/10e6$ cells. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Specific to MHC Class II molecules. This antibody reacts specifically with a non-polymorphic I-A-encoded epitope on MHC Class II antigens. Class II antigens are predominantly expressed on antigen-presenting cells including B lymphocytes, macrophages, dendritic cells and certain epithelial cells. <b>Species:</b> Mouse. 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.

**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.



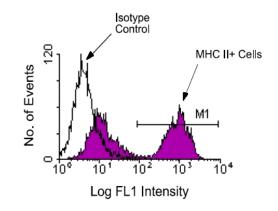
Antibody Hotline - Technical Questions - Antibody Location Service Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com



## AM08075FC-N: Monoclonal Antibody to MHC Class II I-Ab - FITC



Immunofluorescent Staining: BALB/c spleen cells were stained with Rat Anti-Mouse MHC II-FITC, following which small lymphocytes were gated and analyzed on a FACScan(TM) flow cytometer (BDIS, San Jose, CA). Amount Used:  $\langle / = 1 \mu g/10e6$  cells.



**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.



2/2

MS/20130118