

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

Acris Antibodies GmbH

Schillerstr. 5 32052 Herford **GERMANY**

AM08075RP-N

Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info@acris-antibodies.com

Monoclonal Antibody to MHC Class II I-Ab - PE

H-2 class II histocompatibility antigen I-A beta chain, H2-Eb1 Alternate names:

Catalog No.: AM08075RP-N

Quantity: 0.2 mg **Concentration:** $0.1 \, \text{mg/ml}$

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 la 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: P18468 **NCBI:** 10090 **Host / Isotype:** Rat / IgG2b Clone: NIMR-4

Format: State: Liquid purified Ig fraction.

Buffer System: PBS containing 0.09% Sodium Azide as preservative and a stabilizing

agent.

Label: PE - R-Phycoerythrin

Applications: Flow Cytometry: $\langle / = 0.2 \, \mu g / 10e6 \, cells.$

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.

Species: Mouse.

Other species not tested.

Storage: Store the antibody undiluted at 2-8°C.

DO NOT FREEZE!

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