

Monoclonal Antibody to MHC Class II - PE

Alternate names:	HLA Class II, Human Leukocyte antigen class II, MHC Class 2, Major histocompatibility complex class II
Catalog No.:	AM08131RP-N
Quantity:	0.1 mg
Concentration:	0.1 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.
Host / Isotype:	Mouse / IgG1
Clone:	2G11
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: < / = 0.2 µg/10e6 cells. (Ref.2-6) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes Chicken MHC Class II (B-L) molecules. Species: Chicken. 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.
General Readings:	1. Guillemot, F., P. Turmal, D. Charron, M. Le Douarin, and C. Auffray. 1986. J. Immunol. 137:1251. 2. Lawson, S., L. Rothwell, B. Lambrecht, K. Howes, K. Venugopal, and P. Kaiser. 2001. Dev. Comp. Immunol. 25:69. 3. Koritschoner, N.P., J. Madruga, S. Knepel, G. Blendinger, B. Anzinger, A. Otto, M. Zenke,

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- and P. Bartunek. 2001. Cell Growth Differ. 12:563.
4. Katevuo, K., and O. Vainio. 1996. Immunol. 89:419.
5. Madruga, J., N. Koritschoner, S.S. Diebold, S.M. Kurz, and M. Zenke. 1999. J. Cell Sci. 112:1685.
6. Salomonsen, J., D. Dunon, K. Skjodt, D. Thorpe, O. Vainio, and J. Kaufman. 1991. Proc. Natl. Acad. Sci. USA. 88:1359.
7. Kaufman, J., K.Skjoedt, J. Salomonsen, M. Simonsen, L. Du Pasquier, R. Parisot, and P. Riegert. 1990. J. Immunol. 144:2258.

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