

AM08124FC-N**Monoclonal Antibody to MHC Class II (I-A) - FITC**

Quantity:	0.5 mg
Concentration:	0.5 mg/ml
Background:	The Chicken Ia antigen is expressed on B cells, a subpopulation of the monocyte/macrophage lineage of cells, and mitogen-activated T cells. (Ref.1)
Host / Isotype:	Mouse / IgM
Recommended Isotype Controls:	SM13F
Clone:	Cla-I
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. Identification and enumeration of Ia+ cells. (Ref.1) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes a 65 kDa glycoprotein consisting of a 32 kDa alpha-chain non-covalently bound to a 27 kDa beta-chain. The molecule recognized by this antibody is similar in structure to the murine Ia antigens and human DR antigens. Species: Chicken. 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. Ewert, D.L., M.S. Munchus, C.-L. Chen, and M.D. Cooper. 1984. J. Immunol. 132:2524.

Pictures:

Immunofluorescent Staining: Chicken peripheral blood mononuclear cells were double-stained with Mouse anti-Chicken Ia-FITC and Mouse anti-Chicken CD3-PE. Small lymphocytes were then gated and analyzed on a FACScan(TM) flow cytometer (BDIS, San Jose, CA). Amount Used: $\leq 1 \mu\text{g}/10^6$ cells.

