

Monoclonal Antibody to MHC Class II I-Ab - PE

Alternate names:	H-2 class II histocompatibility antigen I-A beta chain, H2-Eb1
Catalog No.:	AM08076RP-N
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Background:	MHC Class II antigens are involved in antigen presentation by Antigen Presenting Cells (APCs) to CD4+ T cells. They are constitutively expressed on APCs including B cells, macrophages, monocytes and dendritic cells, and are inducible on a number of other cells (endothelium and epithelial cells) by interferon gamma. The Mouse H2 Ab locus is orthologous to human DQB, which varies from typical class II genes in that both the alpha and beta chains are polymorphic.
Uniprot ID:	P18468
NCBI:	10090
Host / Isotype:	Mouse / IgM
Clone:	25-9-3
Immunogen:	C3H.SW splenocytes. (Ref.1)
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. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts specifically with the I-Ab haplotype of MHC Class II molecules. 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.
General Readings:	1. Ozato, K., and D.H. Sachs. 1981. J. Immunol. 126:317-321.