HLA-DR1 monoclonal antibody, clone MEM-267 (PE)

Catalog # MAB5091 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against HLA-DR1.
Immunogen	Purified, insoluble DR1 beta chain (DRB1*0101) expressed in *Escherichia coli* inclusion bodies.
Host	Mouse
Reactivity	Human
Specificity	This antibody specifically binds to the empty but not peptide-loaded form of HLA-DR1. DR is the isot ypes of human MHC Class II molecules expressed on antigen-presenting cells (APC; dendritic cells, B lymphocytes, monocytes, macrophages).
Form	Liquid
Conjugation	PE
Concentration	0.1 mg/mL
Isotype	IgG2b
Recommend Usage	Flow Cytometry (5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.2% BSA, 0.09% sodium azide)
Storage Instruction	Store in the dark at 4°C. Do not freeze. Avoid prolonged exposure to light. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Flow Cytometry

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Publication Reference

- Conformational variation of surface class II MHC proteins during myeloid dendritic cell differentiation accompanies structural changes in lysosomal MIIC.

  Potolicchio I, Chitta S, Xu X, Fonseca D, Crisi G, Horejsi V, Strominger JL, Stern LJ, Raposo G, Santambrogio L.

  Journal of Immunology 2005 Oct; 175(8):4935.

  Application: IEM, WB, Human, Monocytes

- Monoclonal antibodies specific for the empty conformation of HLA-DR1 reveal aspects of the conformational change associated with peptide binding.

  Carven GJ, Chitta S, Hilgert I, Rushe MM, Baggio RF, Palmer M, Arenas JE, Strominger JL, Horejsi V, Santambrogio L, Stern LJ.

  The Journal of Biological Chemistry 2004 Apr; 279(16):16561.

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