

Mouse Anti-Human CD8,PE Conjugated mAb

Catalog No: #28286

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Description

Product Name	Mouse Anti-Human CD8,PE Conjugated mAb
Host Species	Mouse
Clonality	Monoclonal
Clone No.	2A2
Isotype	Mouse IgG2b, κ
Applications	FC
Species Reactivity	Hu
Specificity	This antibody recognizes human CD8 in FACS.
Immunogen Description	Human peripheral blood T cells
Formulation	Lyophilized from a 0.2 μ m filtered solution in phosphate buffered saline (PBS) and reconstitute with sterile PBS
Storage	Store protected from light at 2-8°C. Do not freeze. The expiration date is indicated on the vial label.

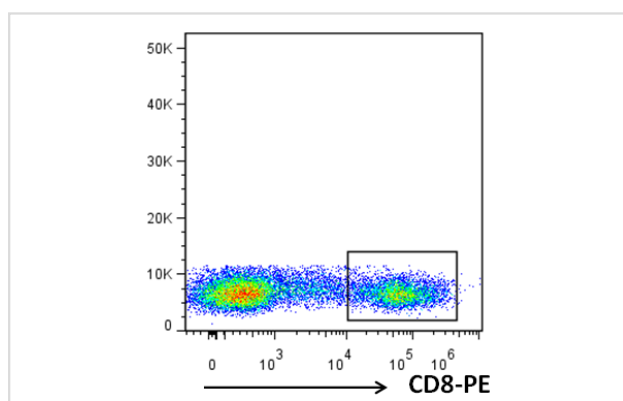
Application Details

Format:Antibodies are supplied in buffer containing stabilizer and 0.05% sodium azide

Preparation:This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with human CD8 Recombinant Protein). The monoclonal antibody was purified from tissue culture supernatant or ascites by protein G affinity chromatography.

Product Notices:This reagent has been pre-diluted for use at the recommended volume per test. We typically use 1 $\times 10^6$ cells in a 100- μ l experimental sample (per test). An isotype control should be used at the same concentration as the antibody of interest.

Images



Flow cytometric analysis of CD8 expression on Human peripheral blood mononuclear cells (PBMCs). PBMCs were stained with either mouse IgG2b, κ Isotype control or mouse anti-human CD8 antibodies conjugated to PE. Fluorescence histograms showing the expression of CD8 (or Ig Isotype control staining) were derived from events with the forward and side light-scatter characteristics of viable cells. Flow cytometric analysis was performed using a Beckman FC 500 Flow Cytometer System.

Product Description

CD8 (cluster of differentiation 8) is a transmembrane glycoprotein that serves as a co-receptor for the T cell receptor (TCR). Like the TCR, CD8 binds to a major histocompatibility complex (MHC) molecule, but is specific for the class I MHC protein. There are two isoforms of the protein, alpha and beta, each encoded by a different gene. In humans, both genes are located on chromosome 2 in position 2p12. The CD8 co-receptor is predominantly expressed on the surface of cytotoxic T cells, but can also be found on natural killer cells, cortical thymocytes, and dendritic cells. It is expressed in T cell lymphoblastic lymphoma and hypo-pigmented mycosis fungoides.

Note: This product is for in vitro research use only