

Manufacturer/Supplier:

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Product name: Anti-Rat CD8a Monoclonal Antibody(PE/Cyanine7
Conjugated)

Catalog: DL21160F

Synonyms: T-cell surface glycoprotein CD8 alpha
chain, CD8A, T-lymphocyte differentiation antigen
T8/Leu-2, MAL

Background: CD8a is a 32 kD glycoprotein also known as T8, Lyt2, Ly-2, and CD8 α . CD8a is a member of the immunoglobulin superfamily expressed on most thymocytes, subset of mature T cells, most NK cells, macrophages, and some activated CD4⁺ T cells (not resting). CD8a forms heterodimers with the CD8 β chain (CD8b) on the surface of most thymocytes, while mature peripheral T lymphocytes express almost exclusively the CD8 $\alpha\beta$ heterodimer.

Intestinal intraepithelial lymphocytes express CD8a without CD8b. CD8 is an antigen co-receptor on T cells that interacts with MHC class I on antigen-presenting cells or epithelial cells. CD8 participates in T cell activation through its association with the T cell receptor complex and protein tyrosine kinase lck (p56lck).

Form: Liquid

Isotype: Mouse IgG1, κ

Size:

50Tests/100Tests/100Tests \times 2

Host: Mouse

Reactivity: Rat

Application: FCM

Concentration: 5 μ L

Conjugation: PE/Cyanine7

SwissProt: P07725

Buffer: Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

Recommended Use:

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 μ L of antibody per test (million cells in 100 μ L staining volume or per

100 μ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Storage:

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.