

Manufacturer/Supplier:

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Product name: AF/LE Purified Anti-Rat CD8a Monoclonal
Antibody

Catalog: DL21152F

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: 50 μ g

Host: Mouse

Reactivity: Rat

Application: FCM,Wb,IHC,IP

Concentration: 0.5 mg/mL

Conjugation: None (Purified antibody,Azide Free/Low endotoxin)

SwissProt: P07725

Buffer: 0.2 μ m filtered in PBS, pH7.2. Azide Free (AF)/Low Endotoxin (LE): Contains no stabilizers or

Recommended Use:

Each lot of this antibody is quality control tested by

immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is $\leq 2.0 \mu\text{g}$ per 10^6 cells in $100 \mu\text{L}$ volume or $100 \mu\text{L}$ of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Storage:

Keep as concentrated solution.

Store at $2\sim 8^{\circ}\text{C}$. Do not freeze.

This product is guaranteed up to one year from purchase.