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**Product name:** Anti-Rat CD8a Monoclonal  
Antibody(PerCP/Cyanine5.5 Conjugated)

**Catalog:** DL21172F

**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 $\alpha$ . 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 $\beta$  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,  $\kappa$

**Size:** 25 $\mu$ g/50 $\mu$ g/100 $\mu$ g/200 $\mu$ g

**Host:** Mouse

**Reactivity:** Rat

**Application:** FCM

**Concentration:** 0.2 mg/mL

**Conjugation:** PerCP/Cyanine5.5

**SwissProt:** P07725

**Buffer:** PBS with 0.05% Proclin300, 1% BSA

### Recommended Use:

Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each

investigator should titrate the reagent to obtain optimal results or refer to the dilution we used in the experiment.

### Data:

Rat splenocytes are stained with Anti-Rat CD8a Monoclonal Antibody(PerCP/Cyanine5.5 Conjugated)[Used at 0.6  $\mu\text{g}/10^6$  cells dilution](filled gray histogram)or Mouse IgG1,  $\kappa$  Isotype Control(PerCP/Cyanine5.5 Conjugated)(empty black histogram).

### 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.