

**Manufacturer/Supplier:**

WUXI DONGLIN SCI&TECH DEVELOPMENT CO., LTD

**Address:** A1-203 Mingpin CityII, No.8 Xihudong Road, Liangxi District  
Wuxi Jiangsu Province, China

TELE: 86-510-82732223

FAX: 86-510-82720101-8014

**Web :** [www.dldevelop.com](http://www.dldevelop.com)

Email: [info@dldevelop.com.cn](mailto:info@dldevelop.com.cn)    [service@dldevelop.com.cn](mailto:service@dldevelop.com.cn)

**Product name:** Anti-Rat CD8a Monoclonal Antibody(Biotin  
Conjugated)

**Catalog:** DL21154F

**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<sup>+</sup> 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:** 50  $\mu$ g/100  $\mu$ g

**Host:** Mouse

**Reactivity:** Rat

**Application:** FCM

**Concentration:** 0.5 mg/mL

**Conjugation:** Biotin

**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. For flow cytometric staining, the suggested use of this reagent is  $\leq 2.0$   $\mu$ g per  $10^6$  cells in 100  $\mu$ L volume or 100  $\mu$ 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 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.