

## PE anti-rat CD8a

**Catalog # / Size:** 200607 / 50 µg  
200608 / 200 µg

**Clone:** G28

**Isotype:** Mouse IgG2a, κ

**Immunogen:** CD8<sup>+</sup> Wistar rat splenic T cell hybridomas

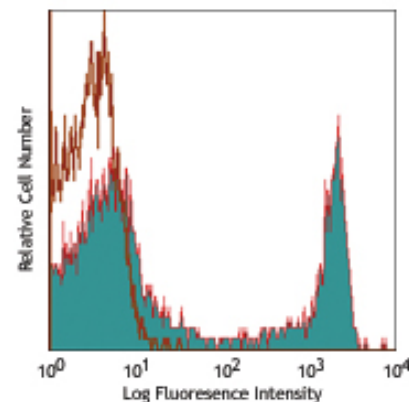
**Reactivity:** Rat

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.2 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.



LOU rat splenocytes stained with G28 PE

## Applications:

**Applications:** FC - Quality tested

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** Additional reported applications (for the relevant formats) include: immunoprecipitation<sup>1</sup>, blocking<sup>1</sup> of allogeneic responses, and immunohistochemical staining of acetone-fixed frozen sections. The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 200612).

**Application References:** 1. Torres-Nagel N, *et al.* 1992. *Eur. J. Immunol.* 22:2841.

**Description:** CD8a is a 32 kD glycoprotein also known as T8, Lyt2, Ly-2, and CD8α. 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 CD8β chain (CD8b) on the surface of most thymocytes, while mature peripheral T lymphocytes express almost exclusively the CD8 αβ 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).

**Antigen References:** 1. Brideau RJ, *et al.* 1980. *Eur. J. Immunol.* 10:609.  
2. Dallman MJ, *et al.* 1982. *Eur. J. Immunol.* 12:511.  
3. Cantrell DA, *et al.* 1982. *Immunol.* 45:97.  
4. Lyscom N, *et al.* 1982. *Immunol.* 45:775.  
5. Johnson P, *et al.* 1985. *EMBO. J.* 4:2539.  
6. Barclay AN. 1981. *Immunol.* 42:593.

**Related Products:** **Product**  
PE Mouse IgG2a, κ Isotype Ctrl  
Cell Staining Buffer

**Clone**  
MOPC-173

**Application**  
FC, ICFC  
FC, ICC, ICFC



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