

PE/Cy5 Anti-Rat CD8a Monoclonal Antibody



天津三箭生物技术股份有限公司
Tianjin Sungene Biotech Co., Ltd.
精准 高效 稳定 Precision Efficient Stable

Catalog Number	Vial Size
R10081-35A	25 µg
R10081-35C	100 µg

Market | 400-621-0003
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Important Note: Centrifuge before opening to ensure complete recovery of vial contents.
This product is guaranteed up to one year from purchase.

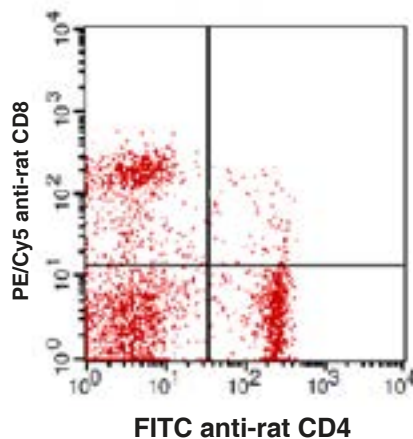
Purified Antibody Characterization

Clone	Isotype	Reactivity
OX-8	Mouse IgG1	Rat

Description

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).

Illustration of Immunofluorescent Staining



Wistar rat splenocytes stained with FITC anti-rat CD4 and PE/Cy5 anti-rat CD8 antibody

Product Information

Conjugation: PE/Cy5

Formulation: PBS pH 7.2, 0.09% NaN₃, 0.2% BSA

Concentration: 0.2 mg/ml

Storage: Keep as concentrated solution. Store at 4°C and protected from prolonged exposure to light. **Do not freeze.**

Application: Recommended Application: FC

Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis (The amount of the reagent is suggested to be used $\leq 1.0 \mu\text{g} / 10^6$ cells in 100 μl). Since applications vary, the appropriate dilutions must be determined for individual use.

References

- [1] Johnson, P., et al. 1985. EMBO J. 4:2539.
- [2] Thomas, M.L., et al. 1983. Eur. J. Immunol. 13:855.

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