

# Biotin 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
R10081-08B	50 µg
R10081-08E	500 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 $\alpha$ . 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).

## Product Information

**Conjugation:** Biotin

**Formulation:** PBS pH 7.2, 0.09% NaN<sub>3</sub>, 0.2% BSA

**Concentration:** 0.5 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  $\leq 0.5 \mu\text{g} / 10^6$  cells in 100  $\mu\text{l}$ ). 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.

**For Research Use Only.**