

ANTI-HUMAN CD8

**Conjugated Mouse Monoclonal Antibodies Against Human CD8
Clone SK1**

FITC Conjugate:	Catalog # 10405	100 tests
PE Conjugate:	Catalog # 10505	100 tests

SPECIFICITY:

Human CD8 is expressed either as an $\alpha\beta$ heterodimer or an $\alpha\alpha$ homodimer and each chain has a molecular weight of 32-34 kDa. The heterodimer is expressed on the surface of a subset of $\alpha\beta$ TCR⁺T cells and on most thymocytes. CD8 homodimers can be expressed on $\alpha\beta$ as well as $\gamma\delta$ T cells and at a lower density on a subset of NK cells. CD8 acts as a co-receptor with the TCR in MHC I restricted antigen recognition. Clone SK1 recognizes the α chain of CD8.

CLONE: SK1

ISOTYPE: IgG₁ κ (mouse)

FORMAT:

FITC-conjugate: 25 μ g in 2 mL (12.5 μ g/mL) in phosphate buffered saline (PBS) containing gelatin and 0.1% (w/v) sodium azide.

PE-conjugate : 25 μ g in 2 mL (12.5 μ g/mL) in PBS containing gelatin and 0.1% (w/v) sodium azide.

STABILITY AND STORAGE:

Store at 4°C. Do not freeze. Product is stable for at least 6 months.

APPLICATIONS AND DIRECTIONS FOR USE:

Flow cytometry:

Recommended amount per 1x10⁶ cells in a volume of 100 μ L:

- FITC-conjugate (Cat No. 10405): 20 μ L
- PE-conjugate (Cat No. 10505): 20 μ L

Appropriate conditions should be established for each application.

Cell separation:

Positive selection of CD8⁺ cells with StemCell's reagents for immunomagnetic cell separation. Please contact us for more information.

**NOT FOR CLINICAL USE; INCLUDING IN VITRO DIAGNOSTIC USE, AND EX VIVO OR IN VIVO THERAPEUTIC USE IN CLINICAL TRIALS OR IN CLINICAL PRACTISE.
THIS REAGENT IS FOR RESEARCH ONLY.**

Hazardous Ingredient: Sodium Azide. Avoid exposure to skin and eyes, ingestion and contact with heat, acids and metals. Wash exposed skin with soap and water. Flush eyes with water. Dilute with running water before discharging into plumbing.

REFERENCES:

1. Barclay AN, Brown MH, Law SKA, McKnight AJ, Tomlinson MG, van der Merwe PA, eds. 1997. The Leukocyte Antigens Facts Book, 2nd Edition, CD8. Academic Press, NY, p 149-151.
2. Kishimoto T et al. Eds.1998. Leukocyte Typing VI. White Cell Differentiation Antigens. Garland Publishing Inc, New York NY, p1114-1115.