

ANTI-HUMAN CD25

**Conjugated Mouse Monoclonal Antibody Against Human CD25
Clone 2A3**

FITC Conjugate:	Catalog # 10412	100 tests
PE Conjugate:	Catalog # 10512	50 tests

SPECIFICITY:

CD25 is the low-affinity receptor for Interleukin-2 (IL-2) and is also known as the IL-2R- α -chain and Tac antigen. CD25 forms a complex with CD122 (IL-2R β -chain) and CD132 (IL2R γ -chain). CD25 is expressed on antigen or mitogen-activated T-cells. It is also expressed on anti-IgM stimulated B- cells and on LPS-stimulated macrophages. Human-T-cell leukemia virus I (HTLV-1) transformed T-cell lines express CD25 at high levels.

CLONE: 2A3

ISOTYPE: IgG₁ κ (mouse)

FORMAT:

FITC-conjugate: 20 μ g in 2 mL (10 μ g/mL) in phosphate buffered saline (PBS) containing gelatin and 0.1% (w/v) sodium azide.

PE-conjugate : 3 μ g in 1 mL (3 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 1×10^6 cells in a volume of 100 μ L:

- FITC-conjugate (Cat No. 10412): 20 μ L
- PE- conjugate (Cat No. 10512): 20 μ L

Appropriate conditions should be established for each application.

Cell separation:

Positive selection of CD25⁺ 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. Sugamura K, Asao H, Kondo M, Tanaka N, Ishii N, Ohbo K, Nakamura M, Takeshita T. The interleukin-2 receptor gamma chain: its role in the multiple cytokine receptor complexes and T cell development in XSCID. *Annu Rev Immunol* 1996;14:179-205
2. Kishimoto T et al. Eds.1998. Leukocyte Typing VI. White Cell Differentiation Antigens.. Garland Publishing Inc, New York NY, p1127-1128.