ANTI-HUMAN CD3

Conjugated Mouse Monoclonal Antibodies Against Human CD3
Clone SK7

FITC Conjugate:	**Catalog # 10402**	**50 tests**
PE Conjugate:	**Catalog # 10502**	**100 tests**

SPECIFICITY:

This antibody reacts to the ε-chain of the CD3/T-cell antigen receptor (TCR) complex. CD3 is expressed on 70-80% of peripheral blood lymphocytes and on 10-20% of thymocytes. The CD3/TCR complex binds peptide antigen bound to MHC antigens on the surface of antigen-presenting cells. CD3ε is involved in signal transduction mediated by the activated complex, which leads to T cell activation.

CLONE: SK7

ISOTYPE: $IgG_1\kappa$ (mouse)

FORMAT:

FITC-conjugate: 100 µg in 1 mL (100 µg/mL) in phosphate buffered saline (PBS) containing gelatin and 0.1% (w/v) sodium azide.
PE-conjugate: 25 µg in 2 mL (12.5 µg/mL) in PBS containing gelatin and 0.1% (w/v) sodium azide.

STABILITY AND STORAGE:

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

APPLICATIONS AND DIRECTIONS FOR USE:

Flow cytometry:
Recommended amount per $1x10^6$ cells in a volume of 100 µL:
- FITC-conjugate (Cat No. 10402): 20 µL
- PE-conjugate (Cat No. 10502): 20 µL

Appropriate conditions should be established for each application.

Cell separation:
Positive selection of human $CD3^+$ 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.

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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, CD3/TCR T cell receptor complex. Academic Press, NY, p 137-140.

2. Beverley PC, Callard PE, Distinctive functional characteristics of human "T" lymphocytes defined by E rosetting or a monoclonal anti-T cell antibody. Eur J Immunol 1981; 11:329-334

3. Kishimoto T et al. Eds.1998. Leukocyte Typing VI. White Cell Differentiation Antigens.. Garland Publishing Inc, New York NY, p1111.