

ANTI-MOUSE CD3e

**Conjugated Rat Monoclonal Antibodies Against Mouse CD3e
Clone KT3**

FITC-conjugate:	Catalog # 10700	0.1 mg
PE-conjugate:	Catalog # 10800	100 tests

SPECIFICITY:

Anti-mouse CD3e monoclonal antibody clone KT3 reacts to the 25 kDa ϵ -chain of the CD3/T-cell antigen receptor (TCR) complex on thymocytes and mature T-lymphocytes in all mouse strains.

CLONE: KT3

ISOTYPE: IgG_{2a}K (rat)

FORMAT:

FITC-conjugate: 0.1 mg in 1 mL (0.1 mg/mL) Phosphate Buffered Saline, containing 1% (w/v) bovine serum albumin and 0.09% (w/v) sodium azide.

PE-conjugate : Lyophilized; Reconstitute with 1.0 mL distilled water.

STABILITY AND STORAGE:

Store at 4°C. Do not freeze. Product is stable for at least 6 months after receipt (FITC conjugate) or after reconstitution (PE-conjugate).

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. 10700): 10 μ L
- PE-conjugate (Cat No. 10800): 10 μ L

Appropriate conditions should be established for each application.

Cell separation: Positive selection of CD3⁺ cells with StemCell's reagents for immunomagnetic cell separation. Please contact us for more information.

**THIS REAGENT IS FOR RESEARCH ONLY.
IT IS NOT TO BE ADMINISTERED TO HUMANS.**

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. Havran WL, Poenie M, Kimura J, Tsien R, Weiss A, Allison JP. Expression and function of the CD3-antigen receptor on murine CD4⁺8⁺ thymocytes. 1987, Nature 330: 170-173.
2. Portoles P, Rojo J, Golby A, Bonneville M, Gromkowski S, Greenbaum L, Janeway CA Jr, Murphy DB, Bottomly K. Monoclonal antibodies to murine CD3 epsilon define distinct epitopes, one of which may interact with CD4 during T cell activation. 1989 J Immunol 142: 4169-4175.