

Datasheet

CD3 monoclonal antibody, clone UCHT1 (PE)

Catalog Number: MAB4402

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against native CD3.

Clone Name: UCHT1

Immunogen: Native purified CD3 from human thymocytes followed by Sezary T cells.

Host: Mouse

Reactivity: Human

Applications: Flow Cyt, IHC-Fr, IP, RIA
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: This antibody recognizes the CD3 antigen of the TCR/CD3 complex on mature human T cells. The antibody reacts with the epsilon chain of the CD3 complex.

Form: Liquid

Conjugation: PE

Isotype: IgG1

Recommend Usage: Flow Cytometry (20 ul in human blood cells 100 ul in whole blood or 10⁶ cells in a suspension)

The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.2% BSA, 0.09% sodium azide)

Storage Instruction: Store in the dark at 4°C. Do not freeze.

Avoid prolonged exposure to light.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 915|916|917|919

Gene Symbol: CD3D

Gene Alias: CD3-DELTA, T3D

References:

1. Different composition of the human and the mouse gammadelta T cell receptor explains different phenotypes of CD3gamma and CD3delta immunodeficiencies. Siegers GM, Swamy M, Fernandez-Malave E, Minguet S, Rathmann S, Guardo AC, Perez-Flores V, Regueiro JR, Alarcon B, Fisch P, Schamel WW. *J Exp Med.* 2007 Oct 29;204(11):2537-44. Epub 2007 Oct 8.
2. Gamma/delta T cell clones and natural killer cell clones mediate distinct patterns of non-major histocompatibility complex-restricted cytotoxicity. Fisch P, Malkovsky M, Braakman E, Sturm E, Bolhuis RL, Prieve A, Sosman JA, Lam VA, Sondel PM. *J Exp Med.* 1990 May 1;171(5):1567-79.
3. Monoclonal antibodies against human T lymphocytes label Purkinje neurones of many species. Garson JA, Beverley PC, Coakham HB, Harper EI. *Nature.* 1982 Jul 22;298(5872):375-7.