

Datasheet

CD3 monoclonal antibody, clone MEM-57 (FITC)

Catalog Number: MAB4616

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against native CD3.

Clone Name: MEM-57

Immunogen: Native purified CD3 from human thymocytes and T lymphocytes.

Host: Mouse

Reactivity: Human

Applications: Flow Cyt

(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 reacts with gamma-epsilon and delta-epsilon dimers of human CD3 complex, a part of a bigger multisubunit T cell receptor complex (CD3/TCR) expressed on peripheral blood T lymphocytes and mature thymocytes.

Form: Liquid

Conjugation: FITC

Isotype: IgG2a

Recommend Usage: Flow Cytometry (20 ul in human blood cells 100 ul in whole blood or 10^6 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

Gene Symbol: CD3D

Gene Alias: CD3-DELTA, T3D

References:

1. T-cell antigen-receptor stoichiometry: pre-clustering for sensitivity. Alarcon B, Swamy M, van Santen HM, Schamel WW. EMBO Rep. 2006 May;7(5):490-5.
2. Therapeutic in vivo use of the A1-CD3 monoclonal antibody. Hilgert I, Franek F, Stefanova I, Kaslik J, Jirka J, Kristofova H, Rossmann P, Soucek J, Horejsi V. Transplantation. 1993 Feb;55(2):435-8.
3. Monoclonal antibodies against human leucocyte antigens. II. Antibodies against CD45 (T200), CD3 (T3), CD43, CD10 (CALLA), transferrin receptor (T9), a novel broadly expressed 18-kDa antigen (MEM-43) and a novel antigen of restricted expression (MEM-74). Horejsi V, Angelisova P, Bazil V, Kristofova H, Stoyanov S, Stefanova I, Hausner P, Vosecky M, Hilgert I. Folia Biol (Praha). 1988;34(1):23-34.