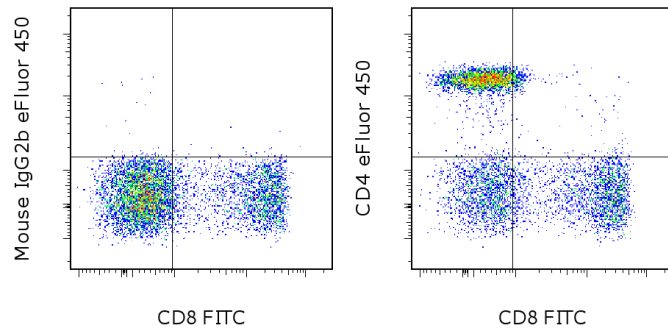


Anti-Human CD4 eFluor[®] 450

Catalog Number: 48-0048

Also known as: Leu-3, T4

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of normal human peripheral blood cells with Anti-Human CD8a FITC (cat. 11-0088) and Mouse IgG2b K Isotype Control eFluor[®] 450 (cat. 48-4732) (left) or Anti-Human CD4 eFluor[®] 450 (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD4 eFluor[®] 450

Catalog Number: 48-0048

Clone: OKT4 (OKT-4)

Concentration: 5 uL (0.125 ug)/test

Host/Isotype: Mouse IgG2b, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.

Batch Code: Refer to vial

Use By: Refer to vial

Contains sodium azide



Description

The OKT4 monoclonal antibody reacts with human CD4, a 59 kDa cell surface glycoprotein expressed by the majority of thymocytes, a subpopulation of mature T cells (T-helper cells) and in low levels on monocytes. CD4 is a receptor for the human immunodeficiency virus (HIV). The OKT4 antibody recognizes a different epitope than the RPA-T4 monoclonal antibody, and these antibodies do not cross-block binding to each other's respective epitopes.

Applications Reported

This OKT4 (OKT-4) antibody has been reported for use in flow cytometric analysis.

Applications Tested

This OKT4 (OKT-4) antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.125 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

eFluor[®] 450 is a replacement for Pacific Blue[®]. eFluor[®] 450 emits at 456 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

References

Bour S, Boulterice F, Wainberg MA. Inhibition of gp160 and CD4 maturation in U937 cells after both defective and productive infections by human immunodeficiency virus type 1. J Virol. 1991 Dec;65(12):6387-96. (OKT4, IP, PubMed)

Reinherz EL, Kung PC, Goldstein G, Schlossman SF. 1979. Separation of functional subsets of human T cells by a monoclonal antibody. Proc Natl Acad Sci. 76(8): 4061-5.

Related Products

11-0088 Anti-Human CD8a FITC (RPA-T8)

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48-4732 Mouse IgG2b K Isotype Control eFluor[®] 450

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