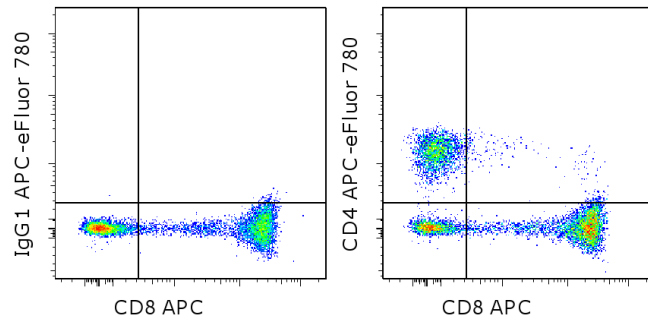


Anti-Human CD4 APC-eFluor[®] 780

Catalog Number: 47-0047

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 APC (cat. 17-0088) and Mouse IgG1 K Isotype Control APC-eFluor[®] 780 (cat. 47-4714) (left) or Anti-Human CD4 APC-eFluor[®] 780 (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD4 APC-eFluor[®] 780

REF **Catalog Number:** 47-0047

Clone: SK3

Concentration: 5 μ L (0.06 μ g)/test

Host/Isotype: Mouse IgG1, 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. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.

Batch Code: Refer to vial

Use By: Refer to vial

Contains sodium azide

Description

The SK3 monoclonal antibody reacts with human CD4, a 59-kDa cell surface receptor expressed by a majority of thymocytes, a subpopulation of mature T helper cells, and at low levels on monocytes. CD4 is a receptor for the human immunodeficiency virus (HIV). SK3 blocks HIV binding and mixed lymphocyte reaction. The SK3 and RPA-T4 monoclonal antibodies do not cross-block binding, suggesting recognition of distinct epitopes.

Applications Reported

This SK3 (SK-3) antibody has been reported for use in flow cytometric analysis.

Applications Tested

This SK3 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 μ L (0.06 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

APC-eFluor[®] emits at 780 nm and is excited with the Red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

Light sensitivity: Tandem is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 μ L cell sample + 100 μ L IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

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References

Knapp W, Dorken B, et al, eds. Leucocyte Typing IV: White Cell Differentiation Antigens. Oxford University Press. New York. 1989.

Bernard A, Boumsell L, Hill C. Joint report of the first international workshop on human leucocyte differentiation antigens by the investigators of the participating laboratories. In: Bernard A, Boumsell L, Dausset J, Milstein C, Schlossman SF, eds. Leucocyte Typing. New York, NY: Springer-Verlag; 1984:9-108.

Related Products

17-0081 Anti-Mouse CD8a APC (53-6.7)

17-0088 Anti-Human CD8a APC (RPA-T8)

47-4714 Mouse IgG1 K Isotype Control APC-eFluor® 780 (P3.6.2.8.1)

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