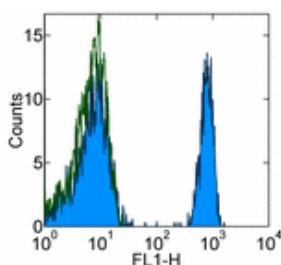


Anti-Human CD4 Purified

Catalog Number: 14-0049

Also Known As: Leu-3, T4

RUO: For Research Use Only



Staining of normal human peripheral blood cells with 0.5 µg of Mouse IgG1 κ Isotype Control Purified (cat. 14-4714) (open histogram) or 0.5 µg of Anti-Human CD4 Purified (filled histogram) followed by Anti-Mouse IgG FITC (cat. 11-4011). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD4 Purified

REF Catalog Number: 14-0049

Clone: RPA-T4

Concentration: 0.5 mg/ml

Host/Isotype: Mouse IgG1, κ

HLDA Workshop: IV T114

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



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

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

Applications Reported

The RPA-T4 antibody has been reported for use in flow cytometric analysis, and immunohistochemical staining. RPA-T4 has also been reported for use in blocking of CD4 activity in *in vitro* functional assays (Please use Functional Grade purified RPA-T4, cat. 16-0049, in functional assays.)

Applications Tested

The RPA-T4 antibody has been tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at less than or equal to 1 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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

Related Products

11-4011 Anti-Mouse IgG FITC

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

13-4013 Anti-Mouse IgG Biotin (Polyclonal)

14-4714 Mouse IgG1 K Isotype Control Purified

17-4317 Streptavidin APC

