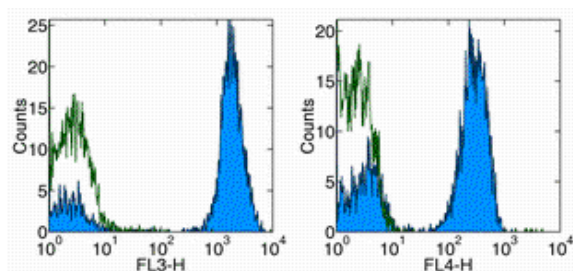


Anti-Human CD3 Functional Grade Purified

Catalog Number: 16-0038

Also Known As: Leu-4, T3

RUO: For Research Use Only



Staining of normal human peripheral blood cells with Anti-Human CD3 PE-Cy5 (left), and Anti-Human CD3 APC (right). Appropriate isotype controls were used (open histogram). Cells in the lymphocyte population were used for analysis.

Product Information

Contents: Anti-Human CD3 Functional Grade Purified

REF **Catalog Number:** 16-0038

Clone: UCHT1

Concentration: 1 mg/mL

Host/Isotype: Mouse IgG1, kappa

HLDA Workshop: III 471

Handling Conditions: Use in sterile environment.

Endotoxin Level: Less than 0.001 ng/ug antibody, as determined by the LAL assay.

Formulation: aqueous buffer, no sodium azide

Temperature Limitation: Store at 2-8°C.

LOT **Batch Code:** Refer to Vial

Use By: Refer to Vial

Description

The UCHT1 monoclonal antibody reacts with human CD3e, a 20 kDa subunit of the TCR complex. Along with the other CD3 subunits gamma and delta, the epsilon chain is required for proper assembly, trafficking and surface expression of the TCR complex. CD3 is expressed by thymocytes in a developmentally regulated manner and by all mature T cells. Crosslinking of TCR via immobilized UCHT1 initiates an intracellular biochemical pathway resulting in cellular activation and proliferation.

Applications Reported

The UCHT1 antibody has been reported for use in flow cytometric analysis. UCHT1 has also been reported in activation of T cells.

Applications Tested

The UCHT1 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

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Related Products

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