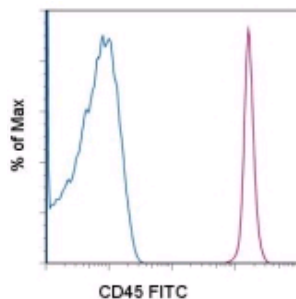


## Anti-Human CD45 FITC

Catalog Number: 11-9459

Also Known As: LCA

RUO: For Research Use Only



Normal human peripheral blood cells with stained with Mouse IgG1  $\kappa$  Isotype Control FITC (cat. 11-4714) (blue histogram) or Anti-Human CD45 FITC (purple histogram). Cells in the lymphocyte gate were used for analysis.

### Product Information

Contents: Anti-Human CD45 FITC


**REF** Catalog Number: 11-9459

Clone: 2D1

Concentration: 5  $\mu$ l (0.25  $\mu$ 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.

**LOT** Batch Code: Refer to Vial

 Use By: Refer to Vial

### Description

The 2D1 monoclonal antibody reacts with all isoforms of human CD45, also known as Leukocyte Common Antigen (LCA). CD45 is expressed by all hematopoietic cells excluding circulating erythrocytes and platelets. The cytoplasmic portion of CD45 has tyrosine phosphatase enzymatic activity and plays an important role in activation of lymphocytes.

### Applications Reported

This 2D1 (HLe-1) antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This 2D1 (HLe-1) antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at 5  $\mu$ l (0.25  $\mu$ g)/per test. A test is defined as the amount ( $\mu$ g)/test of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test.

### References

Bradstock K.F., Janossy G., Pizzolo G., Hoffbrand A.V., McMichael A., Pilch J.R., Milstein C., Beverley P., Bollum F.J. Subpopulations of normal and leukemic human thymocytes: an analysis with the use of monoclonal antibodies. *J Natl Cancer Inst.* 1980 Jul; 65(1):33-42.

Tchilian E.Z., Wallace D.L., Wells R.S., Flower D.R., Morgan G., Beverley P.C. A deletion in the gene encoding the CD45 antigen in a patient with SCID. *J Immunol.* 2001 Jan 15;166(2):1308-13.

### Related Products

11-0451 Anti-Mouse CD45 FITC (30-F11)

11-0459 Anti-Human CD45 FITC (HI30)

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