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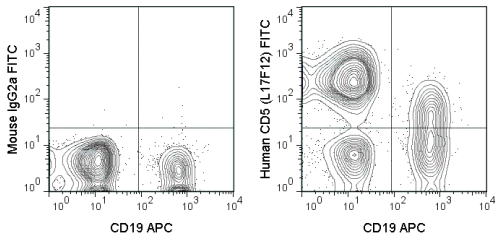
TECHNICAL DATA SHEET

FITC Anti-Human CD5 (L17F12)

Catalog Number: 35-0058

PRODUCT INFORMATION

Contents:	FITC Anti-Human CD5 (L17F12)
Isotype:	Mouse IgG2a, kappa
Concentration:	5 µL (0.125 µg)/test
Clone:	L17F12
Reactivity:	Human
Use By:	12 months from date of receipt
Storage Conditions:	2-8°C protected from light
Formulation:	10 mM NaH2PO4, 150 mM NaCl, 0.09% NaN3, 0.1% gelatin, pH7.2



Human peripheral blood lymphocytes were stained with CD19 APC and 5 uL (0.125 ug) FITC Anti-Human CD5 (35-0058) (right panel) or 0.125 ug FITC Mouse IgG2a isotype control (left panel).

DESCRIPTION

The L17F12 antibody is specific for human CD5, a 67 kD transmembrane glycoprotein that is expressed on most thymocytes, mature T cells, and a subset of B cells. CD5 is a member of the scavenger receptor superfamily and is present on approximately 70% of normal peripheral blood lymphocytes. CD5 is involved in modulating antigen receptor signaling in both T and B cells and acts through binding of CD72, its receptor expressed on B cells.

PREPARATION & STORAGE

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

APPLICATION NOTES

This antibody preparation has been pre-titrated and quality-tested for flow cytometry using an appropriate cell type. The antibody has been diluted for use at 5 µL per test, defined as the amount of antibody that will stain a cell sample in a final volume of approximately 100 µL. The number of cells within a sample should be determined empirically, but typically ranges between 1x10e5 to 1x10e8 cells.

REFERENCES

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Tonbo Biosciences tests all antibodies by flow cytometry. Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.