

TECHNICAL DATA SHEET

APC-Cyanine7 Anti-Mouse CD5 (53-7.3)

Catalog Number: 25-0051

PRODUCT INFORMATION

Contents: APC-Cyanine7 Anti-Mouse CD5 (53-7.3)

Isotype: Rat IgG2a, kappa

Concentration: 0.2 mg/mL

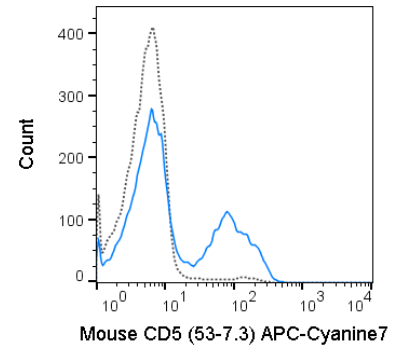
Clone: 53-7.3

Reactivity: Mouse

Use By: 6 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



C57Bl/6 splenocytes were stained with 0.25 ug APC-Cyanine7 Anti-Mouse CD5 (25-0051) (solid line) or 0.25 ug APC-Cyanine7 Rat IgG2a isotype control (dashed line).

DESCRIPTION

The 53-7.3 monoclonal antibody is specific for mouse CD5, a 67 kDa protein that is expressed on most thymocytes, mature T cells and the B-1 subset of B cells. CD5 is a member of the scavenger receptor cysteine-rich protein superfamily and is a ligand for the C-type lectin CD72. CD5 is also known as Leu-1 and functions to modulate antigen receptor signaling on T and 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 quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indicated). Please refer to the figure legend for the optimal concentration used to stain the tissue shown. We recommend titrating the antibody under your specific conditions to determine the optimal concentration of antibody needed in your experimental system.

REFERENCES

Azzam HS, Grinberg A, Lui K, Shen H, Shores EW, Love PE. 1998. *J Exp Med.* 188(12):2301-2311. Bikah G, Carey J, Ciallella JR, Tarakhovsky A, Bondada S. 1996. *Science.* 274(5294):1906-1909. Bikah G, Lynd FM, Aruffo AA, Ledbetter JA, Bondada S. 1998. *Int Immunol.* 10(8):1185-1196. Hayakawa K, Hardy RR, Parks DR, Herzenberg LA. 1983. *J Exp Med.* 157(1):202-218. Ledbetter JA, Rouse RV, Micklem HS, Herzenberg LA. 1980. *J Exp Med.* 152(2):280-295. Tarakhovsky A, Kanner SB, Hombach J, et al. 1995. *Science.* 269(5223):535-537.

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.

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