

TECHNICAL DATA SHEET

PerCP-Cyanine5.5 Anti-Mouse CD49d (R1-2)

Catalog Number: 65-0492

PRODUCT INFORMATION

Contents: PerCP-Cyanine5.5 Anti-Mouse CD49d (R1-2)

Isotype: Rat IgG2b, kappa

Concentration: 0.2 mg/mL

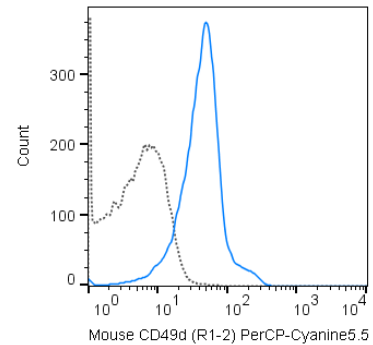
Clone: R1-2

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 PerCP-Cyanine5.5 Anti-Mouse CD49d (65-0492) (solid line) or 0.5 ug PerCP-Cyanine5.5 Rat IgG2b isotype control (dashed line).

DESCRIPTION

The R1-2 monoclonal antibody reacts with mouse CD49d, a 150kD glycoprotein member of the integrin family. CD49d is also known as integrin alpha4 (ITGA4). Together with integrin beta1 (CD29), CD49d forms the VLA-4 heterodimer that serves as a receptor for fibronectin and VCAM-1. VLA-4 is widely expressed on lymphocytes, monocytes, thymocytes, and NK cells. CD49d can dimerize with integrin beta7 to form a receptor that binds the mucosal vascular addressin molecule, MAdCAM-1.

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

Berlin C, Berg EL, Briskin MJ, et al. 1993. Cell. 74(1):185-195. Ferguson TA, Kupper TS. 1993. J Immunol. 150(4):1172-1182. Lobb RR, Hemler ME. 1994. J. Clin. Invest. 94(5):1722-1728. Kinashi T, Springer TA. 1994. Blood Cells. 20(1):25-44.

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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