

TECHNICAL DATA SHEET

Biotin Anti-Mouse CD24 (M1/69)

Catalog Number: 30-0242

PRODUCT INFORMATION

Contents: Biotin Anti-Mouse CD24 (M1/69)

Isotype: Rat IgG2b, kappa

Concentration: 0.5 mg/mL

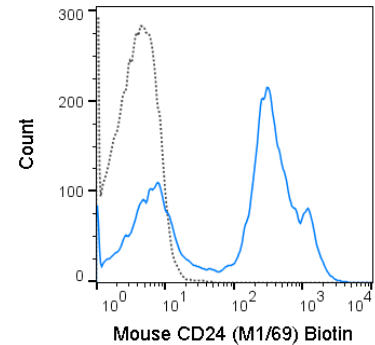
Clone: M1/69

Reactivity: Mouse

Use By: 6 months from date of receipt

Storage Conditions: 2-8°C

Formulation: 10 mM NaH₂PO₄, 150 mM NaCl, 0.09% NaN₃, pH 7.2



C57Bl/6 splenocytes were stained with 0.06 ug Biotin Anti-Mouse CD24 (30-0242) (solid line) or 0.06 ug Biotin Rat IgG2b isotype control (dashed line), followed by Streptavidin FITC.

DESCRIPTION

The M1/69 antibody reacts with mouse CD24, a cell surface molecule also known as Heat Stable Antigen (HSA). CD24 is a GPI-linked glycoprotein involved in cell adhesion and is a ligand for CD62P (P-selectin). It is expressed on erythrocytes, thymocytes, peripheral lymphocytes and myeloid lineage cells. The expression of CD24 is used to delineate stages of lymphocyte development in the bone marrow.

PREPARATION & STORAGE

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted biotin 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

Aigner S, Stoecker ZM, Fogel M, Weber E, Zarn J, et al. 1997. Blood 89:3385–3395. Wilson, A., L. M. Day, et al. 1988. Cell Immunol 117(2): 312-326. Alterman, L. A., I. N. Crispe, et al. 1990. Eur J Immunol 20(7):1597-1602.

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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