

TECHNICAL DATA SHEET

# violetFluor™ 450 Anti-Mouse CD24 (M1/69)

Catalog Number: 75-0242

## PRODUCT INFORMATION

**Contents:** violetFluor™ 450 Anti-Mouse CD24 (M1/69)

**Isotype:** Rat IgG2b, kappa

**Concentration:** 0.2 mg/mL

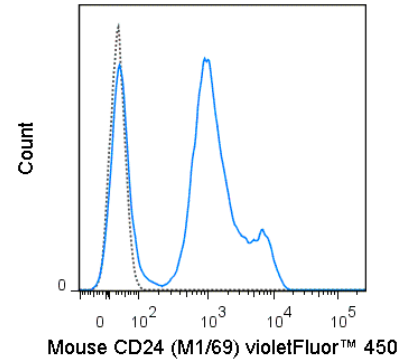
**Clone:** M1/69

**Reactivity:** Mouse

**Use By:** 12 months from date of receipt

**Storage Conditions:** 2-8°C protected from light

**Formulation:** 10 mM NaH<sub>2</sub>PO<sub>4</sub>, 150 mM NaCl, 0.09% NaN<sub>3</sub>, 0.1% gelatin, pH7.2



C57Bl/6 splenocytes were stained with 0.5 ug violetFluor™ 450 Anti-Mouse CD24 (75-0242) (solid line) or 0.5 ug violetFluor™ 450 Rat IgG2b isotype control (dashed line).

## 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 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.

violetFluor™ 450 dye is excited by the violet (405 nm) laser and has a peak emission of 450 nm. The most common band pass filters for this dye are 440/40 or 450/50. violetFluor™ 450 can be used as an alternative for Pacific Blue®, BD Horizon™ V450 or eFluor® 450.

## REFERENCES

Aigner S, Sthoeger 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.

For Research Use Only.

Not for use in diagnostic or therapeutic procedures. Not for resale. Not for distribution without written consent. Tonbo Biosciences will not be held responsible for patent infringement or other violations that may occur with the use of our products. Tonbo Biosciences, Tonbo Biosciences Logo and all other trademarks are the property of Tonbo Biotechnologies Corporation. © 2013 Tonbo Biosciences.