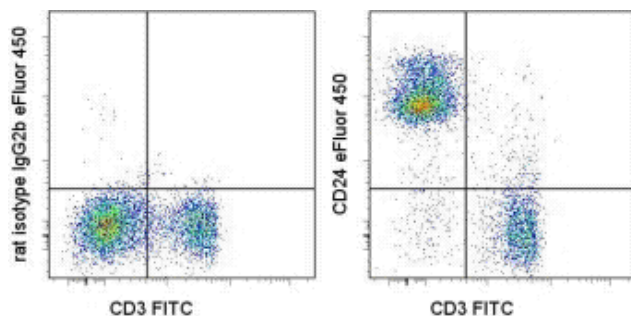


Anti-Mouse CD24 eFluor[®] 450

Catalog Number: 48-0242

Also Known As: Heat Stable Antigen, HSA

RUO: For Research Use Only



Staining of C57BL/6 splenocytes with Anti-Mouse CD3e FITC (cat. 11-0031) and 0.125 μ g of Rat IgG2b K Isotype Control eFluor[®] 450 (cat. 48-4031) (left) or 0.125 μ g of Anti-Mouse CD24 eFluor[®] 450 (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD24 eFluor[®] 450


REF **Catalog Number:** 48-0242

Clone: M1/69

Concentration: 0.2 mg/mL


Host/Isotype: Rat IgG2b, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 **Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.

LOT **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

 **Caution, contains Azide**

Description

The M1/69 monoclonal antibody reacts with the mouse CD24 molecule, also known as Heat Stable Antigen (HSA). This 35-50 kDa molecule is anchored in the plasma membrane via phosphatidylinositol and is expressed by erythrocytes, thymocytes, peripheral lymphocytes and myeloid lineage. CD24 is a variably glycosylated molecule resulting in heterogeneity of molecular mass of this antigen on cells of different lineages and antibodies to CD24 exhibit subtle differences in staining level on lymphocyte populations. The expression of CD24 has been used to resolve stages of B lymphopoiesis in mouse bone marrow. It has been reported that P-selectin (CD62P) binds to CD24.

Applications Reported

This M1/69 antibody has been reported for use in flow cytometric analysis.

eFluor[®] 450 is a replacement for Pacific Blue[®]. eFluor[®] 450 emits at 456 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochoime.

Applications Tested

This M1/69 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.25 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

eFluor[™] 450 is a replacement for Pacific Blue[®]. eFluor[™] 450 emits at 456 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochoime.

References

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Wilson, A., L. M. Day, et al. 1988. Subpopulations of mature murine thymocytes: properties of CD4-CD8+ and CD4+CD8- thymocytes lacking the heat-stable antigen. *Cell Immunol* 117(2): 312-26.

Alterman, L. A., I. N. Crispe, et al. 1990. Characterization of the murine heat-stable antigen: an hematomphoid differentiation antigen defined by the J11d, M1/69 and B2A2 antibodies. *Eur J Immunol* 20(7): 1597-602.

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Related Products

11-0031 Anti-Mouse CD3e FITC (145-2C11)

48-4031 Rat IgG2b K Isotype Control eFluor® 450

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