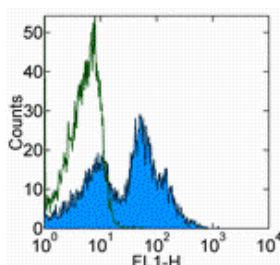


Anti-Mouse CD24 Purified

Catalog Number: 14-0241

Also Known As: Heat Stable Antigen, HSA

RUO: For Research Use Only



Staining of C57Bl/6 splenocytes with 0.25 ug of Rat IgG2b Isotype Control Purified (cat. 14-4031) (open histogram) or 0.25 ug of Anti-Mouse CD24 Purified (filled histogram) followed by Anti-Rat IgG FITC (cat. 11-4811). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD24 Purified

REF **Catalog Number:** 14-0241

Clone: 30-F1

Concentration: 0.5 mg/mL

Host/Isotype: Rat IgG2c, kappa

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



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

The 30-F1 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. The expression of CD24 detected by 30-F1 has been used to resolve stages of B lymphopoiesis in mouse bone marrow. It has been reported that P-selectin (CD62P) binds to CD24. CD24 is a variably glycosylated molecule resulting in heterogeneity of molecular mass of this antigen on cells of different lineages and different antibodies to CD24 exhibit subtle differences in staining level on lymphocyte populations.

Applications Reported

The 30-F1 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The 30-F1 antibody has been tested by flow cytometric analysis of mouse splenocyte and bone marrow cell suspensions. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Hardy, R. R., C. E. Carmack, et al. (1991). Resolution and characterization of pro-B and pre-pro-B cell stages in normal mouse bone marrow. *J Exp Med* 173(5): 1213-25.

Ledbetter, J. A. and L. A. Herzenberg (1979). Xenogeneic monoclonal antibodies to mouse lymphoid differentiation antigens. *Immunol Rev* 47: 63-90.

Related Products

11-4811 Anti-Rat IgG FITC

14-4031 Rat IgG2b K Isotype Control Purified

16-0242 Anti-Mouse CD24 Functional Grade Purified (M1/69)

