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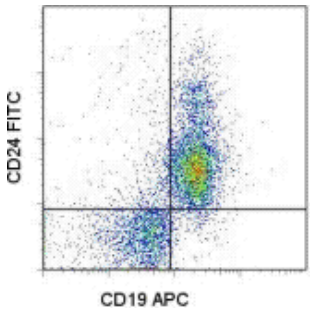
Anti-Mouse CD24 FITC

Catalog Number: 11-0241
Also Known As: Heat Stable Antigen, HSA
RUO: For Research Use Only



Staining of BALB/c splenocytes with Anti-Mouse CD19 APC (cat. 17-0191) and 0.5 ug of Rat IgG2b K Isotype Control FITC (cat. 11-4031) (left) or 0.5 ug of Anti-Mouse CD24 FITC (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD24 FITC
REF **Catalog Number:** 11-0241
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. Do not freeze. Light sensitive material.
LOT **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 1 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 10^5 to 10^8 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

11-4031 Rat IgG2b K Isotype Control FITC
16-0242 Anti-Mouse CD24 Functional Grade Purified (M1/69)

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com