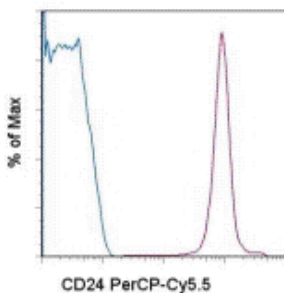


## Anti-Mouse CD24 PerCP-Cyanine5.5

**Catalog Number:** 45-0242

**Also Known As:** Heat Stable Antigen, HSA

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Staining of C57BL/6 thymocytes with 0.015 ug of Rat IgG2b K Isotype Control PerCP-Cyanine5.5 (cat. 45-4031) (blue histogram) or 0.015 ug of Anti-Mouse CD24 PerCP-Cyanine5.5 (purple histogram). Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-Mouse CD24 PerCP-Cyanine5.5

**REF** **Catalog Number:** 45-0242

**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.



**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.

### 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 0.03 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<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

Hunte BE, Capone M, Zlotnik A, Rennick D, Moore TA. 1998. Acquisition of CD24 expression by Lin-CD43+B220(low)ckit(hi) cells coincides with commitment to the B cell lineage. *Eur J Immunol.* 28(11):3850-6.

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 hematolymphoid differentiation antigen defined by the J11d, M1/69 and B2A2 antibodies. *Eur J Immunol* 20(7): 1597-602.

Springer T, Galfre G, Secher DS, Milstein C. 1978. Monoclonal xenogeneic antibodies to murine cell surface antigens: identification of novel leukocyte differentiation antigens. *Eur J Immunol.* 8(8):539-51.

### Related Products

45-4031 Rat IgG2b K Isotype Control PerCP-Cyanine5.5

48-0032 Anti-Mouse CD3 eFluor® 450 (17A2)

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