

CD24 Monoclonal Antibody (M1/69), PE, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Fish, Mouse, Human
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	M1/69
Conjugate	PE
Excitation/Emission Max	565/576 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_465602

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.03 µg/test	53 Publications

Product Specific Information

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.

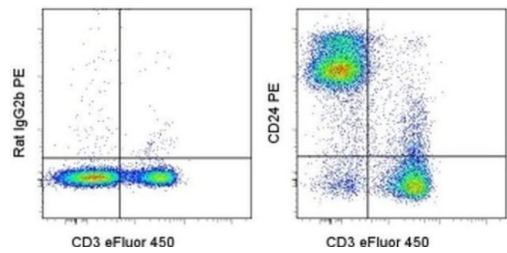
Applications Reported: The M1/69 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The M1/69 antibody has been tested by flow cytometric analysis of mouse splenocytes and thymocytes. 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD24 Monoclonal Antibody (M1/69), PE, eBioscience™



CD24 Antibody (12-0242-82) in Flow
Staining of C57Bl/6 splenocytes with Anti-Mouse CD3e eFluor® 450 (Product # 48-0031-82) and 0.015 µg of Rat IgG2b K Isotype Control PE (Product # 12-4031-82) (left) or 0.015 µg of Anti-Mouse CD24 PE (right). Cells in the lymphocyte gate were used for analysis.

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53 References

Flow Cytometry (53)

<p>STAR protocols</p> <p>FACS and immunomagnetic isolation of early erythroid progenitor cells from mouse fetal liver.</p> <p>"Published figure using CD24 monoclonal antibody (Product # 12-0242-82) in Flow Cytometry"</p> <p>Authors: Braun TW,Kuoch MK,Khandros E,Li H</p>	<p>Year 2022</p> <p>Species Mouse</p>
<p>Nature communications</p> <p>IL-22 initiates an IL-18-dependent epithelial response circuit to enforce intestinal host defence.</p> <p>"Published figure using CD24 monoclonal antibody (Product # 12-0242-82) in Flow Cytometry"</p> <p>Authors: Chiang HY,Lu HH,Sudhakar JN,Chen YW,Shih NS,Weng YT,Shui JW</p>	<p>Year 2022</p>

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