

CD24 Monoclonal Antibody (M1/69), Biotin, 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), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	M1/69
Conjugate	Biotin
Form	Liquid
Concentration	0.5 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_466397

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	-	3 Publications
Flow Cytometry (Flow)	0.125 µg/test	39 Publications
T-Cell Activation (TCA)	-	1 Publication
Affinity Purification (AP)	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

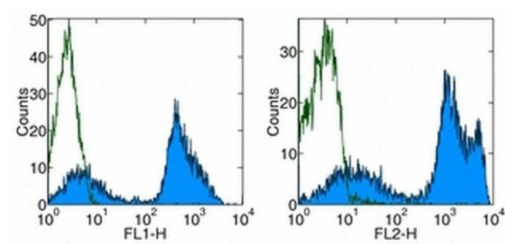
Description: The M1/69 monoclonal antibody reacts with the mouse CD24 molecule, also known as Heat Stable Antigen (HSA). This 35-50 kDa molecule is anchored in the plasma membrane via phosphatidylinositol and is expressed by erythrocytes, thymocytes, peripheral lymphocytes and myeloid lineage. CD24 is 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. This can be used at less than or equal to 0.125 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.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD24 Antibody (13-0242-82) in Flow
Surface staining of mouse splenocytes with Anti-Mouse CD24 FITC (left), and PE (right). Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

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Immunohistochemistry (1)

<p>Molecular therapy : the journal of the American Society of Gene Therapy</p> <p>Robust in vivo transduction of nervous system and neural stem cells by early gestational intra amniotic gene transfer using lentiviral vector.</p> <p>"Published figure using CD24 monoclonal antibody (Product # 13-0242-82) in Immunofluorescence"</p> <p>Authors: Stitelman DH,Endo M,Bora A,Muvarak N,Zoltick PW,Flake AW,Brazelton TR</p>	<p>Year</p> <p>2010</p>
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Immunocytochemistry (3)

<p>Proceedings of the National Academy of Sciences of the United States of America</p> <p>Casitas B-cell lymphoma (Cbl) proteins protect mammary epithelial cells from proteotoxicity of active c-Src accumulation.</p> <p>"13-0242 was used in Immunopurification to investigate the protection of MECs from proteotoxic stress."</p> <p>Authors: Mukhopadhyay C,Triplett A,Bargar T,Heckman C,Wagner KU,Naramura M</p>	<p>Year</p> <p>2016</p> <p>Species</p> <p>Mouse</p>
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<p>Cell stem cell</p> <p>Skin Adipocyte Stem Cell Self-Renewal Is Regulated by a PDGFA/AKT-Signaling Axis.</p> <p>"Published figure using CD24 monoclonal antibody (Product # 13-0242-82) in Flow Cytometry"</p> <p>Authors: Rivera-Gonzalez GC,Shook BA,Andrae J,Holtrup B,Bollag K,Betsholtz C,Rodeheffer MS,Horsley V</p>	<p>Year</p> <p>2016</p>
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Flow Cytometry (39)

<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 # 13-0242-82) in Flow Cytometry"</p> <p>Authors: Braun TW,Kuoch MK,Khandros E,Li H</p>	<p>Year</p> <p>2022</p>
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More applications with references on thermofisher.com

- TCA (1)
- AP (1)
- Misc (1)

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