

CD24 Monoclonal Antibody (M1/69), FITC, 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), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	M1/69
Conjugate	FITC
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_464988

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	-	3 Publications
Flow Cytometry (Flow)	0.5 µg/test	37 Publications
T-Cell Activation (TCA)	-	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.

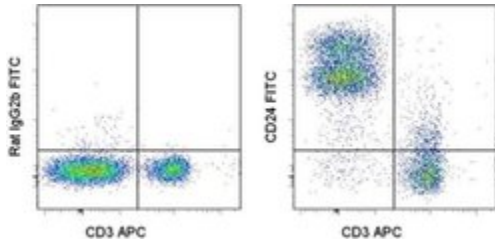
Applications Reported: The M1/69 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The M1/69 antibody has been tested by flow cytometric analysis of mouse splenocytes and thymocytes. 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.

Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD24 Antibody (11-0242-82) in Flow

Staining of C57BL/6 splenocytes with Anti-Mouse CD3e APC (Product # 17-0031-82) and 0.25 µg of Rat IgG2b K Isotype Control FITC (Product # 11-4031-82) (left) or 0.25 µg of Anti-Mouse CD24 FITC (right). Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](https://www.thermofisher.com)

42 References

Immunohistochemistry (1)

Molecular therapy : the journal of the American Society of Gene Therapy

Robust in vivo transduction of nervous system and neural stem cells by early gestational intra amniotic gene transfer using lentiviral vector.

"Published figure using CD24 monoclonal antibody (Product # 11-0242-82) in Immunofluorescence"

Authors: Stitelman DH,Endo M,Bora A,Muvarak N,Zoltick PW,Flake AW,Brazelton TR

Species
Not Applicable

Dilution
Not Cited

Year
2010

Immunocytochemistry (3)

Proceedings of the National Academy of Sciences of the United States of America

Casitas B-cell lymphoma (Cbl) proteins protect mammary epithelial cells from proteotoxicity of active c-Src accumulation.

"Published figure using CD24 monoclonal antibody (Product # 11-0242-82) in Immunofluorescence"

Authors: Mukhopadhyay C,Triplett A,Bargar T,Heckman C,Wagner KU,Naramura M

Species
Not Applicable

Dilution
Not Cited

Year
2016

Cell stem cell

Skin Adipocyte Stem Cell Self-Renewal Is Regulated by a PDGFA/AKT-Signaling Axis.

"Published figure using CD24 monoclonal antibody (Product # 11-0242-82) in Flow Cytometry"

Authors: Rivera-Gonzalez GC,Shook BA,Andrae J,Holtrup B,Bollag K,Betsholtz C,Rodeheffer MS,Horsley V

Species
Not Applicable

Dilution
Not Cited

Year
2016

[View more ICC/IF references on thermofisher.com](#)

Flow Cytometry (37)

Communications biology

Transcriptomic and proteomic signatures of stemness and differentiation in the colon crypt.

"Published figure using CD24 monoclonal antibody (Product # 11-0242-82) in Flow Cytometry"

Authors: Habowski AN,Flesher JL,Bates JM,Tsai CF,Martin K,Zhao R,Ganesan AK,Edwards RA,Shi T,Wiley HS,Shi Y,Hertel KJ,Waterman ML

Species
Not Applicable

Dilution
Not Cited

Year
2020

[View more Flow references on thermofisher.com](#)

More applications with references on thermofisher.com

TCA (1)

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