

CD24 Monoclonal Antibody (M1/69), eBioscience™

Product Details

Size	100 µg
Species Reactivity	Mouse
Published Species	Fish, Human, Mouse
Host/Isotype	Rat / IgG2b, kappa
Class	Monoclonal
Type	Antibody
Clone	M1/69
Conjugate	Unconjugated
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
RRID	AB_467170

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-Dependent	-
Immunohistochemistry (IHC)	Assay-Dependent	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunocytochemistry (ICC/IF)	-	4 Publications
Flow Cytometry (Flow)	0.125 µg/test	52 Publications
Functional Assay (FN)	Assay-Dependent	-
T-Cell Activation (TCA)	-	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, immunoblotting (WB), and immunohistochemical staining. M1/69 has also been reported in in vitro functional assays. (Please use Functional Grade purified M1/69, cat. 16-0242, in functional assays.).

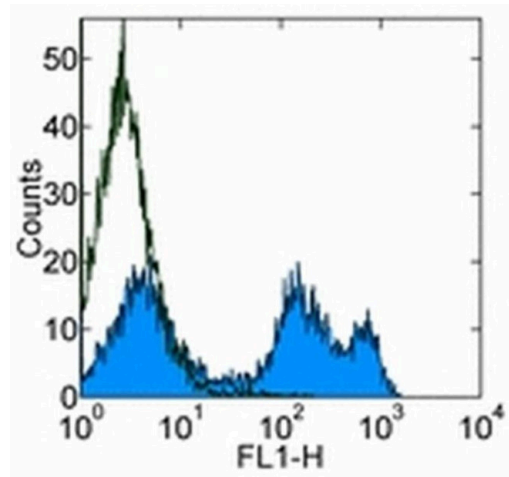
Applications Tested: The M1/69 antibody has been tested by flow cytometric analysis of mouse splenocytes and thymocytes. This can be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number 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.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD24 Antibody (14-0242-82) in Flow
Staining of BALB/c splenocytes with 0.06 µg of Rat IgG2b Isotype Control Purified (Product # 14-4031-82) (open histogram) or 0.06 µg of Anti-Mouse CD24 Purified (filled histogram) followed by Anti-Rat IgG FITC (Product # 11-4811-85). Total viable cells were used for analysis.

[View more figures on thermofisher.com](#)

Immunohistochemistry (1)

Molecular therapy : the journal of the American Society of Gene Therapy	Year 2010
Robust in vivo transduction of nervous system and neural stem cells by early gestational intra amniotic gene transfer using lentiviral vector.	Species Mouse
"Published figure using CD24 monoclonal antibody (Product # 14-0242-82) in Immunofluorescence"	Dilution 1:1000
Authors: Stitelman DH,Endo M,Bora A,Muvarak N,Zoltick PW,Flake AW,Brazelton TR	

Immunohistochemistry (Paraffin) (1)

Advanced science (Weinheim, Baden-Wurttemberg, Germany)	Year 2021
Single-Cell Transcriptome Analysis Uncovers Intratumoral Heterogeneity and Underlying Mechanisms for Drug Resistance in Hepatobiliary Tumor Organoids.	Species Human
"14-0242-82 was used in Immunohistochemistry (Paraffin) to to explore heterogeneity and evolution via single-cell RNA sequencing through the generation of seven hepatobiliary tumor organoids."	
Authors: Zhao Y,Li ZX,Zhu YJ,Fu J,Zhao XF,Zhang YN,Wang S,Wu JM,Wang KT,Wu R,Sui CJ,Shen SY,Wu X,Wang HY,Gao D,Chen L	

Immunocytochemistry (4)

Proceedings of the National Academy of Sciences of the United States of America	Year 2016
Casitas B-cell lymphoma (Cbl) proteins protect mammary epithelial cells from proteotoxicity of active c-Src accumulation.	
"Published figure using CD24 monoclonal antibody (Product # 14-0242-82) in Immunofluorescence"	
Authors: Mukhopadhyay C,Triplett A,Bargar T,Heckman C,Wagner KU,Naramura M	

Cell stem cell	Year 2016
Skin Adipocyte Stem Cell Self-Renewal Is Regulated by a PDGFA/AKT-Signaling Axis.	
"Published figure using CD24 monoclonal antibody (Product # 14-0242-82) in Immunofluorescence"	
Authors: Rivera-Gonzalez GC,Shook BA,Andrae J,Holtrup B,Bollag K,Betsholtz C,Rodeheffer MS,Horsley V	

View more ICC/IF references on thermofisher.com

More applications with references on thermofisher.com

- Flow (52)
- TCA (1)
- Misc (1)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.