

# 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

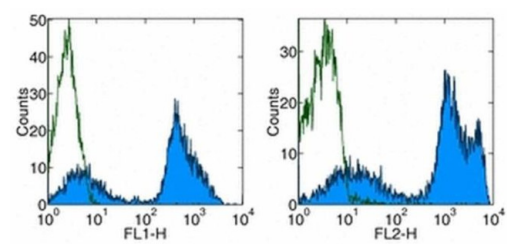
**Description:** The M1/69 monoclonal antibody reacts with the mouse CD24 molecule, also known as Heat Stable Antigen (HSA). This 35-50 kDa molecule is anchored in the plasma membrane via phosphatidylinositol and is expressed by erythrocytes, thymocytes, peripheral lymphocytes and myeloid lineage. CD24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

**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.

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

### Immunohistochemistry (1)

|  |                             |
|--|-----------------------------|
| <p><b>Molecular therapy : the journal of the American Society of Gene Therapy</b></p> <p><b>Robust in vivo transduction of nervous system and neural stem cells by early gestational intra amniotic gene transfer using lentiviral vector.</b></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><b>Year</b><br/>2010</p> |
|--|-----------------------------|

### Immunocytochemistry (3)

|   |   |
|---|---|
| <p><b>Proceedings of the National Academy of Sciences of the United States of America</b></p> <p><b>Casitas B-cell lymphoma (Cbl) proteins protect mammary epithelial cells from proteotoxicity of active c-Src accumulation.</b></p> <p>"Published figure using CD24 monoclonal antibody (Product # 13-0242-82) in Immunofluorescence"</p> <p>Authors: Mukhopadhyay C,Triplett A,Bargar T,Heckman C,Wagner KU,Naramura M</p> | <p><b>Year</b><br/>2016</p> <p><b>Species</b><br/>Mouse</p> |
|---|---|

|  |                             |
|--|-----------------------------|
| <p><b>Cell stem cell</b></p> <p><b>Skin Adipocyte Stem Cell Self-Renewal Is Regulated by a PDGFA/AKT-Signaling Axis.</b></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><b>Year</b><br/>2016</p> |
|--|-----------------------------|

View more ICC/IF references on thermofisher.com

### Flow Cytometry (39)

|  |                             |
|--|-----------------------------|
| <p><b>STAR protocols</b></p> <p><b>FACS and immunomagnetic isolation of early erythroid progenitor cells from mouse fetal liver.</b></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><b>Year</b><br/>2022</p> |
|--|-----------------------------|

View more Flow references on thermofisher.com

### More applications with references on thermofisher.com

- TCA (1)
- AP (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.