

CD24 Monoclonal Antibody (M1/69), Super Bright™ 436, eBioscience™

| Product Details | |
|-----------------------------|-------------------------------------------------------------------------------|
| Size | 100 µg |
| Species Reactivity | Mouse |
| Host/Isotype | Rat / IgG2b, kappa |
| Recommended Isotype Control | Rat IgG2b kappa Isotype Control (eB149/10H5), Super Bright™ 436, eBioscience™ |
| Class | Monoclonal |
| Type | Antibody |
| Clone | M1/69 |
| Conjugate | Super Bright™ 436 |
| Excitation/Emission Max | 413/431 nm |
| Form | Liquid |
| Concentration | 0.2 mg/mL |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2, with BSA |
| Contains | 0.09% sodium azide |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! |
| RRID | AB_2734929 |

| Applications | Tested Dilution | Publications |
|-----------------------|-----------------|-----------------|
| Flow Cytometry (Flow) | 0.5 µg/test | 10 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: This M1/69 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This M1/69 antibody has been tested by flow cytometric analysis of mouse splenocytes. This may 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.

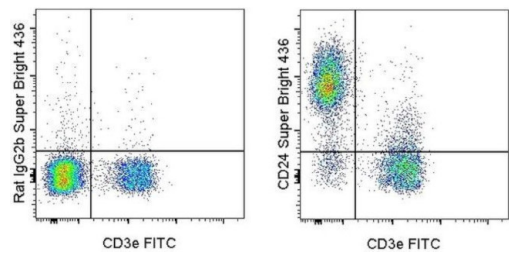
Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer for more information.

Excitation: 405 nm; Emission: 436 nm; Laser: Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

Product Images For CD24 Monoclonal Antibody (M1/69), Super Bright™ 436, eBioscience™



CD24 Antibody (62-0242-82) in Flow
C57BL/6 mouse splenocytes were stained with CD3 Monoclonal Antibody, FITC (Product # 11-0031-82) and 0.25 µg of Rat IgG2b kappa Isotype Control, Super Bright 436 (Product # 62-4031-82) (left) or 0.25 µg of CD24 Monoclonal Antibody, Super Bright 436 (right). Cells in the lymphocyte gate were used for analysis.

View more figures on thermofisher.cn

10 References

Flow Cytometry (10)

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| <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 # 62-0242-82) in Flow Cytometry"</p> <p>Authors: Braun TW,Kuoch MK,Khandros E,Li H</p> | <p>Year 2022</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 # 62-0242-82) 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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