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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

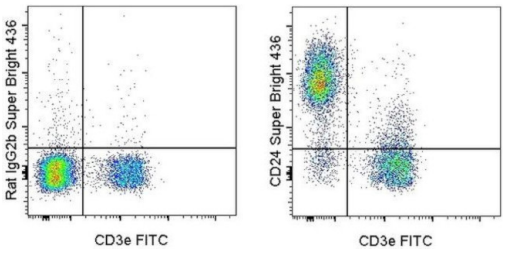
Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

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)

STAR protocols

FACS and immunomagnetic isolation of early erythroid progenitor cells from mouse fetal liver.

"Published figure using CD24 monoclonal antibody (Product # 62-0242-82) in Flow Cytometry"

Authors: Braun TW,Kuoch MK,Khandros E,Li H

Year
2022

Nature communications

IL-22 initiates an IL-18-dependent epithelial response circuit to enforce intestinal host defence.

"Published figure using CD24 monoclonal antibody (Product # 62-0242-82) in Flow Cytometry"

Authors: Chiang HY,Lu HH,Sudhakar JN,Chen YW,Shih NS,Weng YT,Shui JW

Year
2022

View more Flow references on thermofisher.cn

More applications with references on thermofisher.cn