

CD24 Monoclonal Antibody (eBioSN3 (SN3 A5-2H10)), Super Bright™ 600, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Super Bright™ 600, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBioSN3 (SN3 A5-2H10)
Conjugate	Super Bright™ 600
Excitation/Emission Max	414/601 nm
Form	Liquid
Concentration	5 µL/Test
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_2717025

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	10 Publications

Product Specific Information

Description: The SN3 monoclonal antibody reacts with the human 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. It has been reported that P-selectin (CD62P) binds to CD24.

Applications Reported: This eBioSN3 (SN3 A5-2H10) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBioSN3 (SN3 A5-2H10) antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (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 600 is a tandem dye that can be excited with the violet laser line (405 nm) and emits at 600 nm. We recommend using a 610/20 bandpass filter. 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.

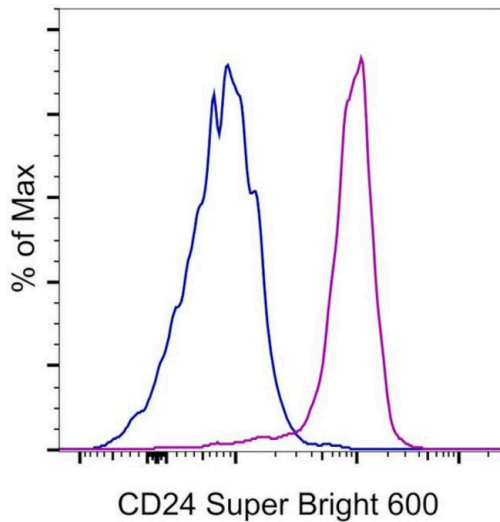
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222) (100 μ L of cell sample + 100 μ L of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 405 nm; Emission: 600 nm; Laser: Violet Laser

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

Product Images For CD24 Monoclonal Antibody (eBioSN3 (SN3 A5-2H10)), Super Bright™ 600, eBioscience™



CD24 Antibody (63-0247-42) in Flow

Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control Super Bright 600 (Product # 63-4714-82) (blue histogram) or Anti-Human CD24 Super Bright 600 (purple histogram). Cells in the granulocyte gate were used for analysis.

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

10 References

Flow Cytometry (10)

Oncology letters

miR122/SEN1 axis confers stemness and chemoresistance to liver cancer through Wnt/catenin signaling.

"Published figure using CD24 monoclonal antibody (Product # 63-0247-42) in Flow Cytometry"

Authors: Dai J,Hao Y,Chen X,Yu Q,Wang B

Year
2023

Cancers

Immune Checkpoint Profiling in Humanized Breast Cancer Mice Revealed Cell-Specific LAG-3/PD-1/TIM-3 Co-Expression and Elevated PD-1/TIM-3 Secretion.

"Published figure using CD24 monoclonal antibody (Product # 63-0247-42) in Flow Cytometry"

Authors: Bruss C,Kellner K,Albert V,Hutchinson JA,Seitz S,Ortmann O,Brockhoff G,Wege AK

Year
2023

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

More applications with references on thermofisher.com

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