

CD24 Monoclonal Antibody (eBioSN3 (SN3 A5-2H10)), Super Bright™ 645, 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™ 645, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBioSN3 (SN3 A5-2H10)
Conjugate	Super Bright™ 645
Excitation/Emission Max	414/645 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_2688279

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5µL (0.5 µg)/test	7 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.

Super Bright 645 is a tandem dye that can be excited with the violet laser line (405 nm) and emits at 645 nm. We recommend using a 660/20 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.

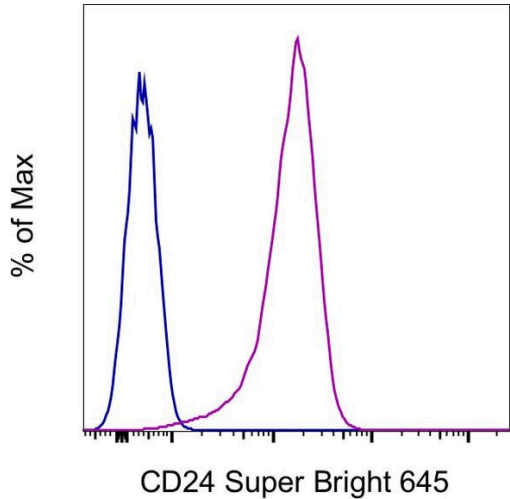
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333) for up to 3 days in the dark at 4 degrees 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: 645 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™ 645, eBioscience™



CD24 Antibody (64-0247-42) in Flow
Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control Super Bright 645 (Product # 64-4714) (blue histogram) or Anti-Human CD24 Super Bright 645 (purple histogram). Cells in the granulocyte gate were used for analysis.

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7 References

Flow Cytometry (7)

<p>Journal of experimental & clinical cancer research : CR</p> <p>Elevated transcription and glycosylation of B3GNT5 promotes breast cancer aggressiveness.</p> <p>"Published figure using CD24 monoclonal antibody (Product # 64-0247-42) in Flow Cytometry"</p> <p>Authors: Miao Z,Cao Q,Liao R,Chen X,Li X,Bai L,Ma C,Deng X,Dai Z,Li J,Dong C</p>	<p>Year</p> <p>2022</p>
<p>Oxidative medicine and cellular longevity</p> <p>Naringin protects human nucleus pulposus cells against TNF--induced inflammation, oxidative stress, and loss of cellular homeostasis by enhancing autophagic flux via AMPK/SIRT1 activation.</p> <p>"Published figure using CD24 monoclonal antibody (Product # 64-0247-42) in Flow Cytometry"</p> <p>Authors: Chen R,Gao S,Guan H,Zhang X,Gao Y,Su Y,Song Y,Jiang Y,Li N</p>	<p>Year</p> <p>2022</p>

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