

# CD24 Monoclonal Antibody (eBioSN3 (SN3 A5-2H10)), Alexa Fluor 700, 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), Alexa Fluor 700, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBioSN3 (SN3 A5-2H10)
Conjugate	Alexa Fluor® 700
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2848457

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	15 Publications

## Product Specific Information

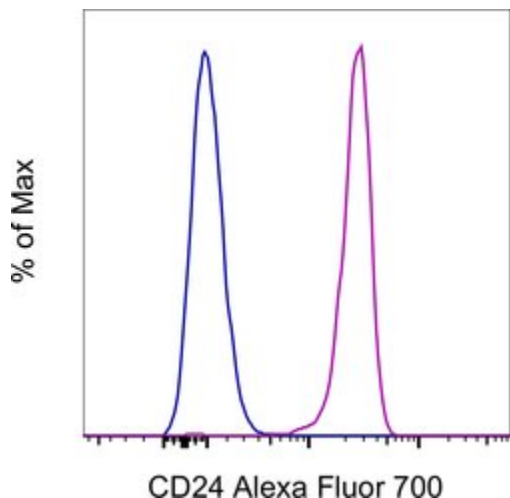
**Description:** The SN3 monoclonal antibody reacts with the human CD24 molecule, also known as Heat Stable Antigen (HSA). This 35-50 kDa molecule is anchored in the plasma membrane via phosphatidylinositol and is expressed by erythrocytes, thymocytes, peripheral lymphocytes and myeloid lineage. It has been reported that P-selectin (CD62P) binds to CD24.

**Applications Reported:** This eBioSN3 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This eBioSN3 antibody has been pre-diluted and tested by flow cytometric analysis of normal human peripheral blood cells. This may be used at 5 µL (0.25 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.

Alexa Fluor 700 emits at 723 nm and can be excited with the red laser (633-647 nm). Most instruments will require a 685 LP mirror and 710/20 band pass filter. Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 633-647 nm; Emission: 723 nm; Laser: Red Laser



### CD24 Antibody (56-0247-42) in Flow

Normal human peripheral blood cells were stained with Mouse IgG1 kappa Isotype Control, Alexa Fluor 700 (Product # 56-4714-80) (blue histogram) or CD24 Monoclonal Antibody, Alexa Fluor 700 (purple histogram). Cells in the lymphocyte gate were used for analysis.

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## 15 References

### Flow Cytometry (15)

Cancer management and research

#### HMGB3 silence inhibits breast cancer cell proliferation and tumor growth by interacting with hypoxia-inducible factor 1.

"Published figure using CD24 monoclonal antibody (Product # 56-0247-42) in Flow Cytometry"

Authors: Gu J,Xu T,Huang QH,Zhang CM,Chen HY

**Species**

Not Applicable

**Dilution**

Not Cited

**Year**

2020

International journal of molecular sciences

#### Obesity-Altered Adipose Stem Cells Promote Radiation Resistance of Estrogen Receptor Positive Breast Cancer through Paracrine Signaling.

"Published figure using CD24 monoclonal antibody (Product # 56-0247-42) in Flow Cytometry"

Authors: Sabol RA,Villela VA,Denys A,Freeman BT,Hartono AB,Wise RM,Harrison MAA,Sandler MB,Hossain F,Miele L, Bunnell BA

**Species**

Not Applicable

**Dilution**

Not Cited

**Year**

2020

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

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