

CD135 (Flt3) Monoclonal Antibody (A2F10), PE-Cyanine5, eBioscience™

Product Details	
Size	50 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotope	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), PE-Cyanine5, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	A2F10
Conjugate	PE-Cyanine5
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_494220

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	1 µg/test	9 Publications

Product Specific Information

Description: The A2F10 monoclonal antibody reacts with mouse CD135, also known as Flk2/Flt3. A member of the tyrosine kinase receptor family, this 135-150 kDa molecule is expressed by primitive progenitor cells in fetal liver and adult bone marrow. Two-color staining of adult mouse bone marrow cells with A2F10 and RA3-6B2 (CD45R/B220) or M1/70 (CD11b) reveals Flk-2-positive subpopulations of B cells or myeloid cells, respectively.

Applications Reported: This A2F10 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This A2F10 antibody has been tested by flow cytometric analysis of mouse bone marrow cells. This can be used at less than or equal to 1 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.

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

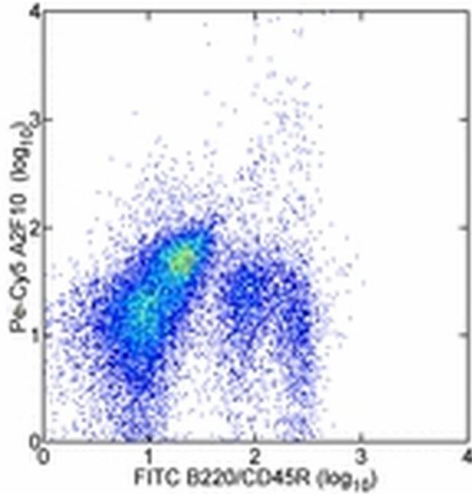
Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix /Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency /compensation. Some generalizations regarding fluorophore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

performance should be determined empirically.

Excitation: 488-561 nm; Emission: 667 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD135 (Flt3) Monoclonal Antibody (A2F10), PE-Cyanine5, eBioscience™



CD135 (Flt3) Antibody (15-1351-81) in Flow

Staining of BALB/c bone marrow cells with Anti-Mouse CD45-1 FITC (Product # 11-0453-82) and 0.5 µg of Anti-Mouse CD135 (Flt3) PE-Cyanine5. Total viable cells were used for analysis.

9 References

Flow Cytometry (9)

Journal of cellular physiology

LCN2 overexpression in bone enhances the hematopoietic compartment via modulation of the bone marrow microenvironment.

"15135182 was used in flow cytometry to examine the function of lipocalin-2 in bone tissue"

Authors: Costa D, Principi E, Lazzarini E, Descalzi F, Cancedda R, Castagnola P, Tavella S

Species
Mouse

Dilution
Not Cited

Year
2017

Nature immunology

Ubiquitination of hnRNP A1 by TRAF6 links chronic innate immune signaling with myelodysplasia.

"15-1351 was used in Flow cytometry/Cell sorting to examine the significance of ubiquitin signalling in coordinating RNA processing by Toll-like receptor pathways during an immune response and in premalignant haematologic diseases."

Authors: Fang J, Bolanos LC, Choi K, Liu X, Christie S, Akunuru S, Kumar R, Wang D, Chen X, Greis KD, Stoilov P, Filippi MD, Maciejewski JP, Garcia-Manero G, Weirauch MT, Salomonis N, Geiger H, Zheng Y, Staszczynski DT

Species
Mouse

Dilution
Not Cited

Year
2017

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

More applications with references on thermofisher.com

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