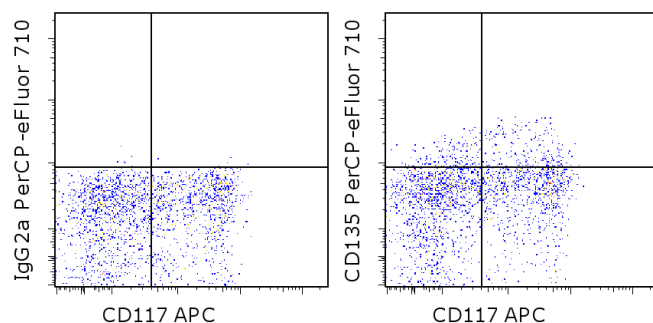


Anti-Mouse CD135 (Flt3) PerCP-eFluor® 710

Catalog Number: 46-1351

Also known as: Flk2, Ly-72

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of C57Bl/6 bone marrow cells with Anti-Mouse CD117 APC (cat. 17-1171) and 0.5 ug of Rat IgG2a K Isotype Control PerCP-eFluor 710 (cat. 46-4321) (left) or 0.5 ug of Anti-Mouse CD135 (Flt3) PerCP-eFluor 710 (right). Cells were also stained with Mouse Hematopoietic Lineage Cocktail eFluor® 450 (cat. 88-7772), and lineage negative/low cells in the large scatter population were used for analysis.

Product Information

Contents: Anti-Mouse CD135 (Flt3) PerCP-eFluor® 710



Catalog Number: 46-1351

Clone: A2F10

Concentration: 0.2 mg/mL

Host/Isotype: Rat IgG2a, kappa



Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.



Batch Code: Refer to vial



Use By: Refer to vial

Contains sodium azide

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.

PerCP-eFluor® 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

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.

References

Ogawa M, Sugawara S, Kunisada T, Sudo T, Hayashi S, Nishikawa S, Kodama H, Nishikawa S. Flt3/Flk-2 and c-Kit are not essential for the proliferation of B lymphoid progenitor cells in the bone marrow of the adult mouse. Exp

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Hematol. 1998 Jun;26(6):478-88.

Related Products

17-1171 Anti-Mouse CD117 (c-Kit) APC (2B8)

88-7772 Mouse Hematopoietic Lineage eFluor® 450 Cocktail (17A2, RA3-6B2, M1/70, TER-119, RB6-8C5)