

Product Information

Contents: Phycoerythrin (PE) anti-mouse CD135 (Flk-2/Flt-3, Ly-72)

Catalog Number: 12-1351

Sizes: 50 µg, 100 µg, 200 µg

Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃

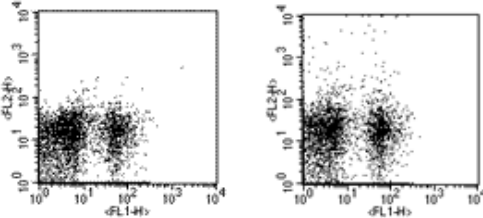
Storage Conditions: Store at 4°C.

DO NOT FREEZE.

LIGHT-SENSITIVE MATERIAL.

Clone: A2F10

Isotype: Rat IgG2a, κ



Staining of mouse bone marrow cells with FITC anti-CD45R/B220 (cat. 11-0452) and 0.25 µg of PE rat IgG2a isotype control (cat. 12-4321) (left) or 0.25 µg of PE A2F10 (right). Total viable cells were used for analysis.

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
12-1351	PE anti-mouse CD135 (Flk-2/Flt-3, Ly-72)	488	575	FC
13-1351	Biotin anti-mouse CD135 (Flk-2/Flt-3, Ly-72)	N/A	N/A	FC
14-1351	Affinity Purified anti-mouse CD135 (Flk-2/Flt-3, Ly-72)	N/A	N/A	FA FC IP
16-1351	Coming Soon! - Functional Grade* Purified anti-mouse CD135 (Flk-2/Flt-3, Ly-72)	N/A	N/A	FA FC
35-1351	Coming Soon! - Phycoerythrin-Cy5.5 (PE-Cy5.5) anti-mouse CD135 (Flk-2/Flt-3, Ly-72)	488	690	FC

*Functional Grade™ (FG™): Azide-free, sterile-filtered, and endotoxin < 0.001 ng/µg.
Purified: Contains azide, not sterile-filtered, and not endotoxin tested.

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.

Usage

For research use only, not for diagnostic or therapeutic use. The A2F10 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The A2F10 antibody has been tested by flow cytometric analysis of mouse bone marrow cell suspensions. This can be used at less than or equal to 1 µg per million cells in a 100 µl total staining volume. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Related Products

- Cat. 13-1351 Biotin anti-mouse CD135 (Flk-2/Flt-3, Ly-72) (clone A2F10)
- Cat. 14-1351 Affinity Purified anti-mouse CD135 (Flk-2/Flt-3, Ly-72) (clone A2F10)
- Cat. 12-4321 PE Rat IgG2a Isotype Control

References

Ogawa, M., S. Sugawara, et al. (1998). "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 Hematol* 26(6): 478-88.

Copyright © 2000-2005 eBioscience, Inc.
Product For Research Use Only: Not for further distribution without written consent.

