

Product Information

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

Catalog Number: 14-1351

Sizes: 50 ug, 100 ug, 500 ug

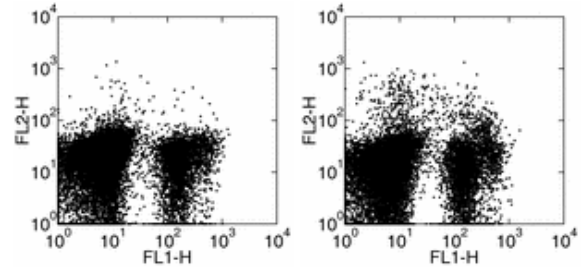
Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃

Storage Conditions: Store at 4°C.

Avoid repeated freeze/thaw cycles.

Clone: A2F10

Isotype: Rat IgG2a, κ



Two-color surface staining of mouse bone marrow with PE mouse IgG2a isotype control (left) or PE anti-mouse CD135 (A2F10) (right) and FITC CD45R/B220 (RA3-6B2). 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, and immunoprecipitation. It has also been reported in blocking of Flk-2/Flt3 ligand in functional studies. Please use Functional Grade purified A2F10 in functional assays.

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 0.5 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. 12-1351 PE anti-mouse CD135 (Flk-2/Flt-3, Ly-72) (clone A2F10)
- Cat. 13-1351 Biotin anti-mouse CD135 (Flk-2/Flt-3, Ly-72) (clone A2F10)
- Cat. 11-4317 Streptavidin-FITC (Fluorescein isothiocyanate)
- Cat. 12-4317 Streptavidin-PE (Phycoerythrin)
- Cat. 17-4317 Streptavidin Allophycocyanin (SA-APC)
- Cat. 14-4321 Affinity Purified Rat IgG2a Isotype Control

Cat. 11-4811 FITC Anti-Rat IgG
Cat. 13-4813 Biotin Anti-Rat IgG (clone Polyclonal)

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.

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