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Anti-Mouse CD135 (Flt3) Functional Grade Purified

Catalog Number: 16-1351
Also Known As: Flk2, Ly-72
RUO: For Research Use Only

Product Information

Contents: Anti-Mouse CD135 (Flt3) Functional Grade Purified
REF **Catalog Number:** 16-1351
Clone: A2F10
Concentration: 1 mg/mL
Host/Isotype: Rat IgG2a, κ
Handling Conditions: Use in sterile environment.
Endotoxin Level: Less than 0.001 ng/ug antibody, as determined by the LAL assay.

Formulation: aqueous buffer, no sodium azide
Temperature Limitation: Store at 2-8°C.
LOT **Batch Code:** Refer to Vial
Use By: Refer to Vial

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. It has also been reported in blocking of Flk-2/Flt3 ligand in functional studies.

Applications Tested

This A2F10 antibody has been tested by flow cytometric analysis of bone marrow cell suspensions. This can be used at less than or equal to 0.5 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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.

Related Products

16-4321 Rat IgG2a K Isotype Control Functional Grade Purified

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com