

ABflo® 647 Rabbit anti-Mouse Flt3/CD135 mAb

Catalog No.: A27983

Basic Information

Observed MW

Calculated MW
114kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Mouse

CloneNo number
ARC75548

Conjugate
ABflo® 647. Ex:648nm. Em:664nm.

Background

Enables several functions, including phosphatidylinositol 3-kinase binding activity; protein tyrosine kinase activity; and ubiquitin protein ligase binding activity. Involved in several processes, including common myeloid progenitor cell proliferation; hemopoiesis; and lymphocyte proliferation. Acts upstream of or within several processes, including dendritic cell homeostasis; hematopoietic or lymphoid organ development; and regulation of cytokine production. Located in external side of plasma membrane. Is expressed in several structures, including brain; dorsal aorta; immune system; reproductive system; and spinal cord. Used to study acute myeloid leukemia and juvenile myelomonocytic leukemia. Human ortholog(s) of this gene implicated in acute lymphoblastic leukemia; acute myeloid leukemia; colorectal adenocarcinoma; hepatocellular carcinoma; and prostate cancer. Orthologous to human FLT3 (fms related receptor tyrosine kinase 3).

Recommended Dilutions

FC ≤0.25 µg per million cells
in 100 µl volume

Immunogen Information

Gene ID 14255	Swiss Prot Q00342
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Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

Flk2; Ly72; wmf1; CD135; Flk-2; Flt-3; B230315G04

Contact

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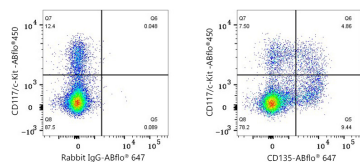
Product Information

Source Rabbit	Isotype IgG	Purification Affinity purification
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Storage

Store at 2-8°C. Avoid freeze.
Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data



Flow cytometry: 1X10⁶ C57BL/6 bone marrow cells were surface-stained with ABflo® 450 Rabbit anti-Mouse CD117/c-Kit mAb (A25474, 5 µl/Test) and ABflo® 647 Rabbit IgG isotype control (A22070, 5 µl/Test, left) or ABflo® 647 Rabbit anti-Mouse Flt3/CD135 mAb (A27983, 0.25 µg, right). Multicolor immunostaining of cells with fluorochrome-conjugated antibodies against lineage markers (lin⁻ such as CD3, CD19, CD11b, Gr-1, Ter119, CD45R), CD117 (c-Kit), and CD135 (FLT3).