

ABflo® 647 Rabbit anti-Mouse CD135/FLT3 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.

Recommended Dilutions

FC ≤0.25 µg per million cells
in 100 µl volume

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).

Immunogen Information

Gene ID

14255

Swiss Prot

Q00342

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

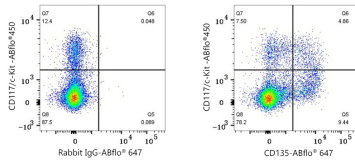
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data



Flow cytometry: 1×10^6 C57BL/6 mouse bone marrow cells were surface-stained with ABflo® 450 Rabbit anti-Mouse CD117/c-Kit mAb (A25474, 5 μ l/Test) and ABflo® 647 Rabbit IgG isotype control (A22070, 5 μ l/Test, left) or ABflo® 647 Rabbit anti-Mouse Flt3/CD135 mAb (A27983, 0.25 μ g, 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).