

ABflo® 647 Rabbit anti-Human Flt3/CD135 mAb

Catalog No.: A24381

Basic Information

Observed MW

Calculated MW

108kDa/112kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Human

CloneNo number

ARC63039-ABflo647

Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

Recommended Dilutions

FC 5 µl per 10⁶ cells in
100 µl volume

Background

This gene encodes a class III receptor tyrosine kinase that regulates hematopoiesis. This receptor is activated by binding of the fms-related tyrosine kinase 3 ligand to the extracellular domain, which induces homodimer formation in the plasma membrane leading to autophosphorylation of the receptor. The activated receptor kinase subsequently phosphorylates and activates multiple cytoplasmic effector molecules in pathways involved in apoptosis, proliferation, and differentiation of hematopoietic cells in bone marrow. Mutations that result in the constitutive activation of this receptor result in acute myeloid leukemia and acute lymphoblastic leukemia.

Immunogen Information

Gene ID

2322

Swiss Prot

P36888

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 27-163 of human Flt3/CD135 (NP_004110.2).

Synonyms

FLT3; CD135; FLK-2; FLK2; STK1; fms related tyrosine kinase 3

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

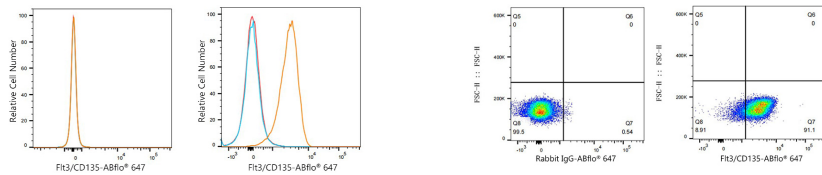
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.03% proclin300,0.2% BSA,pH7.3.

Validation Data



Flow cytometry: 1×10^6 HEK cells (negative control, Left) and REH cells (Right) were surface-stained with ABflo® 647 Rabbit anti-Human FIT3/CD135 mAb (A24381, 5 μ l/Test, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5 μ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1×10^6 REH cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5 μ l/Test, left) or ABflo® 647 Rabbit anti-Human FIT3/CD135 (A24381, 5 μ l/Test, right).