

APC Rabbit anti-Human Flt3/CD135 mAb

Catalog No.: A26383

Basic Information

Observed MW

Calculated MW

108kDa/113kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Human

CloneNo number

ARC63039-APC

Conjugate

APC. Ex:650nm. Em:660nm.

Recommended Dilutions

FC 5 μ l per 10^6 cells in
100 μ l 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

FLK2; STK1; CD135; FLK-2

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

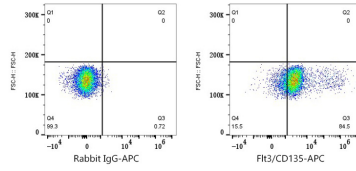
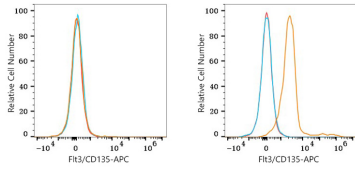
Affinity purification

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 HEL cells (negative control, left) and Reh cells (right) were surface-stained with APC Rabbit anti-Human Flt3/CD135 mAb (A26383, 5 μ l/Test, orange line) or APC Rabbit IgG isotype control (A24173, 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 APC Rabbit IgG isotype control (A24173, 5 μ l/Test, left) or APC Rabbit anti-Human Flt3/CD135 mAb (A26383, 5 μ l/Test, right).