

Flt3/CD135 Rabbit mAb

Catalog NO.: A24344 **Recombinant**

Basic Information

Observed MW

Refer to figures

Calculated MW

108kDa/113kDa

Category

Monoclonal Antibodies

Applications

FC, ELISA

Cross-Reactivity

Human

Conjugation

Unconjugated

Clone number

ARC63041

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.

Recommended Dilutions

FC 1:100 - 1:500

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

2322

Swiss Prot

P36888

Immunogen

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

Synonyms

FLK2; STK1; CD135; FLK-2; Flt3/CD135

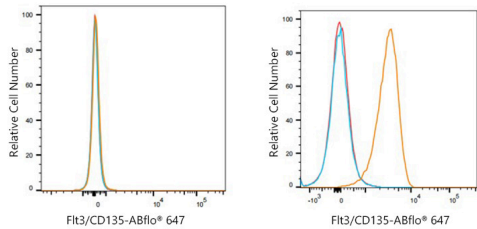
Contact

Product Information

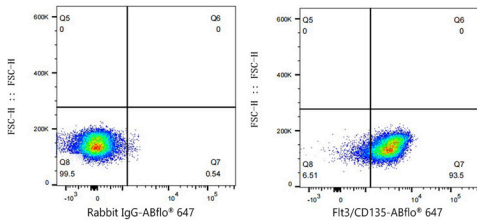
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Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at -20°C. Avoid freeze / thaw cycles.		
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.		

Validation Data



Flow cytometry: 1X10⁶ HEK293T cells (negative control,Left) and REH cells(Right) were surface-stained with Flt3/CD135 Rabbit mAb(A24344,2μg/mL,orange line) or ABflo[®] 647 Rabbit IgG isotype control (A22070,2μg/mL,blue line),followed by Alexa Fluor[®]647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry:1X10⁶ REH cells cells were surface-stained with ABflo[®] 647 Rabbit IgG isotype control (A22070,2 μg/mL,left) or Flt3/CD135 Rabbit mAb(A24344,2 μg/mL,right).

