A24345

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Flt3/CD135 Rabbit mAb

Catalog No.: A24345 Recombinant 1 Publications

Basic Information

Observed MW
160kDa

Calculated MW
113kDa

Category
Monoclonal Antibody

Applications
FC,ELISA

Cross-Reactivity
Human

Clone number
ARC63039

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

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Product Information

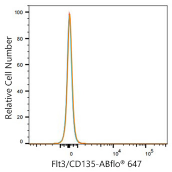
Source
Rabbit

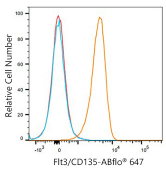
Isotype
IgG

Purification
Affinity purification

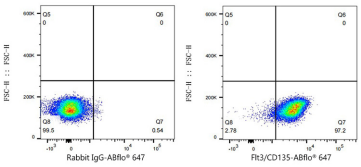
Storage
Store at -20℃

Validation Data





Flow cytometry: 1X10^6 HEL cells (negative control,Left) and REH cells(Right) were surface-stained with Flt3/CD135 Rabbit mAb(A24345,2μg/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:1X10^6 REH cells cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070,2 μg/mL,left) or Flt3/CD135 Rabbit mAb(A24345,2 μg/mL,right).