



## CD135 monoclonal antibody

Catalog: MB65823

Host: Mouse

Reactivity: Human

### BackGround:

FMS-related tyrosine kinase 3 (FLT3, also called FLK2), is a member of the Type III receptor tyrosine kinase family, which includes c-Kit, PDGFR and M-CSF receptors. FLT3 is expressed on early hematopoietic progenitor cells and supports growth and differentiation within the hematopoietic system. FLT3 is activated after binding with its ligand FL, which results in a cascade of tyrosine auto-phosphorylation and tyrosine phosphorylation of downstream substrates. The p85 subunit of PI3 kinase, SHP2, GRB2, and Shc have all been reported to associate with FLT3 after FL stimulation. Tyr589/591 is located in the juxtamembrane region of FLT3 and may play an important role in regulation of FLT3 tyrosine kinase activity. Somatic mutations of FLT3 consisting of internal tandem duplications (ITDs) occur in 20% of patients with acute myeloid leukemia.

### Product:

Mouse IgG1 kappa. Liquid in PBS, pH 7.3, and 0.02% sodium azide.

### Molecular Weight:

~ 112 kDa

### Swiss-Prot:

P36888

### Purification&Purity:

The monoclonal antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IF (1/50 - 1/200)

### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Recognizes human CD135

### DATA:

### Note:

For research use only, not for use in diagnostic procedure.

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