

# PE/Cyanine5 Rabbit anti-Mouse CD135/FLT3 mAb

**Catalog No.: A28736**

## Basic Information

**Observed MW****Calculated MW****Category**

Primary antibody

**Applications**

FC

**Cross-Reactivity**

Mouse

**CloneNo number**

ARC75548

**Conjugate**

PE-Cy5. Ex:565nm. Em:666nm.

## Background

Enables several functions, including phosphatidylinositol 3-kinase binding activity; protein tyrosine kinase activity; and ubiquitin protein ligase binding activity. Involved in several processes, including common myeloid progenitor cell proliferation; hemopoiesis; and lymphocyte proliferation. Acts upstream of or within several processes, including dendritic cell homeostasis; hematopoietic or lymphoid organ development; and regulation of cytokine production. Located in external side of plasma membrane. Is expressed in several structures, including brain; dorsal aorta; immune system; reproductive system; and spinal cord. Used to study acute myeloid leukemia and juvenile myelomonocytic leukemia. Human ortholog(s) of this gene implicated in acute lymphoblastic leukemia; acute myeloid leukemia; colorectal adenocarcinoma; hepatocellular carcinoma; and prostate cancer. Orthologous to human FLT3 (fms related receptor tyrosine kinase 3).

## Recommended Dilutions

**FC** ≤0.125 µg per million cells in 100 µl volume

## Immunogen Information

**Gene ID**

14255

**Swiss Prot**

Q00342

**Immunogen**

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

**Synonyms**

Flk2; Ly72; wmf1; CD135; Flk-2; Flt-3; B230315G04

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

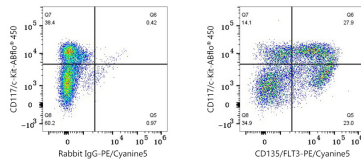
**Storage**

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

## Validation Data

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Flow cytometry:  $1 \times 10^6$  C57BL/6 mouse bone marrow cells were surface-stained with ABflo® 450 Rabbit anti-Mouse CD117/c-Kit mAb (A25474, 5  $\mu$ l/Test) and PE/Cyanine5 Rabbit IgG isotype control (5  $\mu$ l/Test, left) or PE/Cyanine5 Rabbit anti-Mouse Flt3/CD135 mAb (A28736, 0.125  $\mu$ g, right). Multicolor immunostaining of cells with fluorochrome-conjugated antibodies against lineage markers ( $lin^-$  such as CD3, CD19, CD11b, Gr-1, Ter119, CD45R), CD117 (c-Kit), and CD135 (FLT3).