

Manufacturer/Supplier:

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Product name: AF/LE Purified Anti-Mouse CD117 Monoclonal
Antibody

Catalog: DL21050F

Synonyms: Mast/stem cell growth factor receptor
Kit, Kit, SCFR, Proto-oncogene c-Kit, Tyrosine-protein
kinase Kit, CD117

Background: CD117 is a 145 kD immunoglobulin superfamily member also known as c-Kit and stem cell factor receptor (SCFR). It is a transmembrane tyrosine-kinase receptor that binds the c-Kit ligand (also known as steel factor, stem cell factor, and mast cell growth factor). CD117 is expressed on hematopoietic stem cells (including multipotent hematopoietic stem cells, progenitors committed to myeloid and/or erythroid lineages, and T and B cell

precursors), mast cells, and acute myeloid leukemia (AML) cells. CD117 interaction with its ligand is critical for the development of hematopoietic stem cells.

Form: Liquid

Isotype: Rat IgG2b, κ

Size: 50 μ g/500 μ g/1mg

Host: Rat

Reactivity: Mouse

Application: FCM, IHC, IF, IP

Concentration: 0.5 mg/mL

Conjugation: None (Purified antibody, Azide Free/Low endotoxin)

SwissProt: P05532

Buffer: 0.2 μ m filtered in PBS, pH 7.2. Azide Free (AF)/Low Endotoxin (LE): Contains no stabilizers or

Recommended Use:

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is $\leq 2.0 \mu$ g per 10^6 cells in 100 μ L volume or 100 μ L of whole blood. It is recommended that the reagent be titrated for optimal

performance for each application.

Storage:

Keep as concentrated solution.

Store at 2~8°C. Do not freeze.

This product is guaranteed up to one year from purchase.