

**AF/LE Purified Anti-Mouse CD117/c-Kit Antibody[2B8]****Catalog Number:** GF10920**Note:** Centrifuge before opening to ensure complete recovery of vial contents.**Description**

<b>Reactivity</b>	Mouse
<b>Immunogen</b>	Recombinant Mouse CD117/c-Kit protein
<b>Host</b>	Rat
<b>Isotype</b>	Rat IgG2b, $\kappa$
<b>Clone</b>	2B8
<b>Purification</b>	>98%, Protein A/G purified
<b>Conjugation</b>	None (AF/LE)
<b>Buffer</b>	Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL method.

**Applications****Recommended Dilution**

<b>FCM</b>	2 $\mu\text{g/mL}$ ( $0.5 \times 10^6$ - $1 \times 10^6$ cells)
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**Preparation & Storage**

<b>Storage</b>	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. This preparation contains no preservatives, thus it should be handled under aseptic conditions.
<b>Shipping</b>	Ice bag

**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.