

Product datasheet for **TA320401**

CD117 Rat Monoclonal Antibody [Clone ID: 2B8]

Product data:

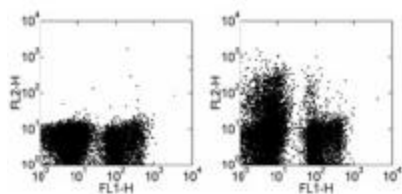
Product Type:	Primary Antibodies
Clone Name:	2B8
Applications:	FC
Recommended Dilution:	Flow, IP
Reactivity:	Mouse, Pig
Host:	Rat
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	kit oncogene
Database Link:	NP_066922 Entrez Gene 16590 Mouse P05532

Background: The 2B8 monoclonal antibody reacts with mouse CD117, also known as c-Kit receptor, Steel factor receptor and stem cell factor receptor. A member of the tyrosine kinase receptor family, this 145 kDa molecule is expressed by a majority of hematopoietic progenitor cells characterized in the mouse bone marrow as a small subset of cells positive for Sca-1 and Thy1 (Thy1lo) and negative for lineage markers. The interaction of the mouse c-kit receptor and steel factor promotes the proliferation and differentiation of hematopoietic progenitor cells. CD117 is also expressed by mast cells and plays a role in signaling and activation of these cells.

Synonyms: C-Kit; CD117; PBT; SCFR



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Product images:

Staining of C57BL/6 bone marrow cells with Anti-Human/Mouse CD45R (B220) FITC and 0.06 ug of Rat IgG2b kappa Isotype Control PE (left) or 0.125 ug of Anti-Mouse CD117 (c-Kit) PE (right). Total viable cells were used for analysis.