Catalog Number:CL647-65054

| Basic Information | Catalog Number: <br> CL647-65054 | GenBank Accession Number: BC052457 | Purification Method: Affinity purification |
| :---: | :---: | :---: | :---: |
|  | Size: <br> 100ug, $0.5 \mathrm{mg} / \mathrm{ml}$ | $\begin{aligned} & \text { GeneI D (NCBI): } \\ & 16590 \end{aligned}$ | CloneNo.: <br> 2B8 |
|  | Source: <br> Rat | Full Name: <br> kit oncogene | Excitation/Emission maxima wavelengths: <br> $654 \mathrm{~nm} / 674 \mathrm{~nm}$ |
|  | Isotype: <br> IgG2b, kappa |  |  |
| $\overline{\text { Applications }}$ | Tested Applications: <br> FC |  |  |
|  | Species Specificity Mouse |  |  |
| Background Information | CD117, also known oncogene c-kit (PMID CSF-1R, PDGFRB, PD progenitor cells, ma melanocytes, germ cells of Cajal) (PMID: involved in pigmen | is a transmembrane protein $w$ a member of the type III recept (PMID: 29518044). CD117 is exp o found in a wide range of non renal tubules, breast glandular 3628). CD117 plays an import ut movement, and some aspect | sine kinase activity encoded by the sine kinase family, which also includes on hematopoietic stem cells and poietic cell types (including ial cells, sweat glands, and interstitial in early haemopoiesis. It is also nervous system (PMID: 23073628). |
| Storage | Storage: <br> Store at $2-8^{\circ} \mathrm{C}$. Avoi Storage Buffer: PBS with $0.1 \%$ sodi | t. Stable for one year after shi BSA, pH 7.3. |  |

Selected Validation Data

$1 \times 10^{\wedge} 6$ mouse bone marrow cells were surface costained with FITC Anti-Mouse CD45R (B220) (RA36B2) and 0.4 ug CoraLite® Plus 647 Anti-Mouse CD117 (CL647-65054, Clone: 2B8) or 0.4 ug CoraLite® Plus 647-conjugated Rat IgG2b isotype control. Cells were not fixed.

