

For Research Use Only

CoraLite® Plus 647 Anti-Mouse CD117 (2B8)



Catalog Number: CL647-65054

Basic Information

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|--------------------------------|---------------------------------------|---|
| Catalog Number: CL647-65054 | GenBank Accession Number: BC052457 | Purification Method: Affinity purification |
| Size: 100ug, 0.5 mg/ml | GeneID (NCBI): 16590 | CloneNo.: 2B8 |
| Source: Rat | UNIPROT ID: P05532 | Excitation/Emission maxima wavelengths: 654 nm / 674 nm |
| Isotype: IgG2b, kappa | Full Name: kit oncogene | |

Applications

Tested Applications:
FC

Species Specificity:
Mouse

Background Information

CD117, also known as c-Kit and SCFR, is a transmembrane protein with tyrosine kinase activity encoded by the oncogene c-kit (PMID: 2448137). It is a member of the type III receptor tyrosine kinase family, which also includes CSF-1R, PDGFR β , PDGFR α , and FLT3 (PMID: 29518044). CD117 is expressed on hematopoietic stem cells and progenitor cells, mast cells, and is also found in a wide range of non-haemopoietic cell types (including melanocytes, germ cells, astrocytes, renal tubules, breast glandular epithelial cells, sweat glands, and interstitial cells of Cajal) (PMID: 10582338; 23073628). CD117 plays an important role in early haemopoiesis. It is also involved in pigmentation, fertility, gut movement, and some aspects of the nervous system (PMID: 23073628).

Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

For technical support and original validation data for this product please contact:

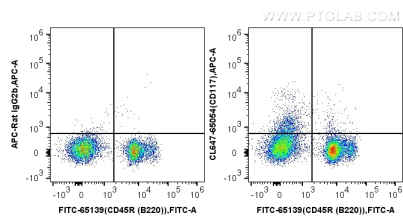
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ mouse bone marrow cells were surface co-stained with FITC Anti-Mouse CD45R (B220) (RA3-6B2) 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.