

## Anti-Mouse CD117 (c-kit)-173Yb

**Catalog #:** 3173004B

**Package Size:** 100 tests

**Storage:** Store product at 4°C. Do not freeze.

**Cross Reactivity:** Mouse

**Clone:** 2B8

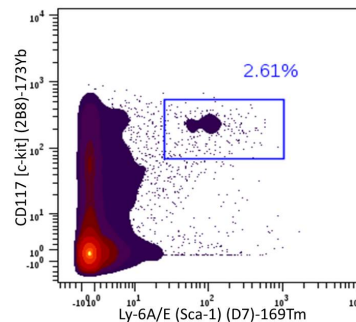
**Isotype:** Rat IgG2b

**Formulation:** Antibody stabilizer with 0.05% Sodium Azide

### Technical Information

**Validation:** Each lot of conjugated antibody is quality control tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

**Recommended Usage:** The suggested use is 1 µl for up to 3 X 10<sup>6</sup> live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Mouse bone marrow cells stained with 169Tm-anti-Ly-6A/E [Sca-1] (D7) and 173Yb-anti-CD117[c-Kit] (2B8). Viable lineage- cells are displayed in the analysis. Lin-Sca-1+c-Kit+ LSK cells are indicated in the gate.

### Description

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

### References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. Highly multiparametric analysis by mass cytometry. *J Immunol Methods* 361 (1-2):1-20, 2010.

### Contact Information:

Sales: sales@DVSsciences.com | Support: support@DVSsciences.com  
www.DVSsciences.com | For assistance by phone: 855-DVS-CYTO

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