

Anti-Mouse CD5-160Gd

Catalog #: 3160002B

Package Size: 100 tests

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

Cross Reactivity: Mouse

Clone: 53-7.3

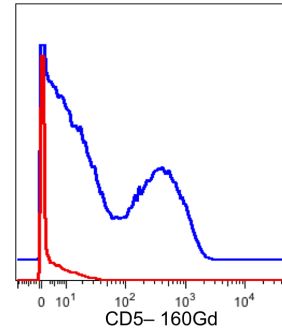
Isotype: Rat IgG2a

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 10⁶ live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



C57BL/6 mouse splenocytes (blue) and human Jurkat T cells (red) stained with 160Gd-anti-CD5 (53-7.3).

Description

CD5, also known as Lyt-1, Ly-1, Tp67, T1, or Ly12, is a surface protein and member of the scavenger receptor cysteine-rich (SRCR) protein superfamily. It is primarily expressed on thymocytes, peripheral T cells, and B-1 cells. Mature T cells express higher levels of CD5 than B cells, however γ/δ T cells do not express CD5.

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.

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