

Anti-Human CD10-156Gd

Catalog #: 3156001B

Package Size: 100 tests

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

Cross Reactivity: Cynomolgus Monkey, Rhesus, Chimpanzee, Olive Baboon, Capuchin Monkey

Clone: HI10a

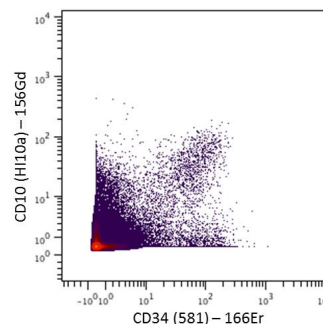
Isotype: Mouse IgG1

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.



Human bone marrow mononuclear cells stained with 156Gd anti-CD10 (HI10a) and 166Er anti-CD34 (581). Total viable cells are displayed in the analysis.

Description

CD10, also known as common acute lymphoblastic leukemia antigen (CALLA), is a metalloprotease involved in B cell development. It is expressed throughout B cell development, on T cell precursors and neutrophils. It is also found in a number of leukemias, including pre-B cell ALL.

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.

Bendall, S.C., et al. Single-Cell Mass Cytometry of Differential Immune and Drug Responses Across a Human Hematopoietic Continuum. *Science* 6 May 2011: 687-696.

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

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