

## Anti-Human CD10-158Gd

**Catalog #:** 3158011B

**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

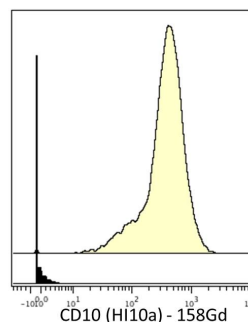
**Isotype:** Mouse IgG1

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

### Technical Information

**Validation:** Each lot of conjugated antibody is quality control tested by CyTOF<sup>®</sup> 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.



Human PBMCs (bottom) and human NALM-6 pre-B cells (top) stained with 158Gd-anti-CD10 (HI10a).

### 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.

### Contact Information:

Sales: [sales@DVSsciences.com](mailto:sales@DVSsciences.com) | Support: [support@DVSsciences.com](mailto:support@DVSsciences.com)  
[www.DVSsciences.com](http://www.DVSsciences.com) | For assistance by phone: 855-DVS-CYTO

This product is intended for Research Use Only. This product is not intended for therapeutic or diagnostic purposes in humans or animals. This product contains antibodies manufactured by and sold under license from BioLegend and licensees thereof.

© 2011 DVS Sciences Inc. The trademarks mentioned herein are the property of DVS Sciences Inc. or their respective owners. DVS Sciences Inc. products are warranted to meet stated product specifications and to conform to label descriptions when used and stored properly. Unless otherwise stated, this warranty is limited to 6 months from date of sales for products used, handled and stored according to DVS Sciences, Inc. instructions. DVS Sciences, Inc. sole liability for the product is limited to replacement of the product or refund of the purchase price. Product may not be resold, modified for resale or used to manufacture commercial products without prior written approval from DVS Sciences Inc.

