

# Anti-Human CD235ab-175Lu

Catalog: 3175027B

Package Size: 100 tests

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

Reactivity: Human,

Clone: HIR2

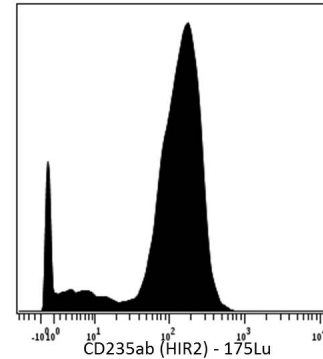
Isotype: IgG2b

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.



Human PBMCs with RBC spiked in and then stained with 175Lu-anti-CD235ab (HIR2). DNA-low events are displayed in the analysis.

## Description

CD235a/b, also known as glycophorin isoform A and B, is the major sialoglycoprotein expressed on red blood cell membrane, and erythroid precursors. The HIR2 antibody recognizes this antigen on human red blood cells (RBCs) as well as on their developmental precursors.

## 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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