

Anti-Human CD158b-173Yb

Catalog: 3173010B

Package Size: 100 tests

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

Reactivity: Human

Clone: DX27

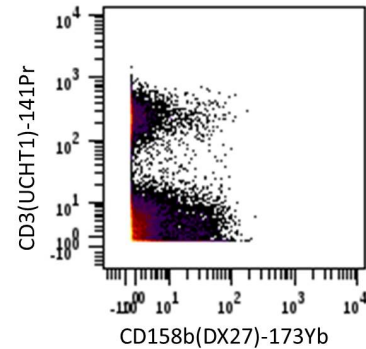
Isotype: IgG2a

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.



Human PBMCs stained with 173Yb-anti-CD158b(DX27) and 141Pr-anti-CD3(UCHT1). Total viable cells are displayed in the analysis.

Description

The DX27 monoclonal antibody specifically binds to CD158b, a 50-58 kD type I glycoprotein also known as GLI83, p50.2 and p58.2. CD158b is expressed on natural killer cells and a rare subset of T cells. CD158b is composed of two extracellular Ig-like domains. The interaction of CD158b with specific HLA-C antigens on the surface of a target cell has been reported to inhibit cytotoxicity and limit cell lysis.

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.

For technical support visit fluidigm.com/support

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