

Anti-Human CD140b/PDGFR- β -156Gd

Catalog: 3156018A

Clone: 18A2

Package Size: 50 tests

Isotype: IgG1

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

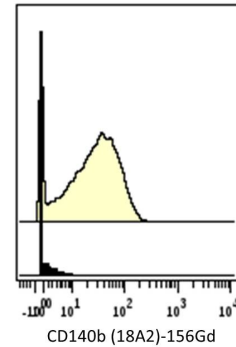
Formulation: Antibody stabilizer with 0.05% Sodium Azide

Reactivity: Human

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 μ l for up to 3×10^6 live cells in 100 μ l. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human BJ (top) and human Jurkat cells (bottom) stained with 156Gd-anti-CD140b (18A2).

Description

CD140b, also known as platelet-derived growth factor receptor β (PDGFR- β), is a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. CD140b forms homodimers or heterodimers on the surface upon ligand binding and phosphorylates substrates. CD140b is broadly expressed on embryonic tissue and in cells of mesodermal origin in adult tissue such as fibroblasts, smooth muscle cells, glial cells and chondrocytes. CD140b plays an essential role in the regulation of embryonic development, cell proliferation, survival, differentiation, chemotaxis, and migration.

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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