

Anti-Mouse CD140a-148Nd

Catalog: 3148018B

Package Size: 100 tests

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

Reactivity: Mouse

Clone: APA5

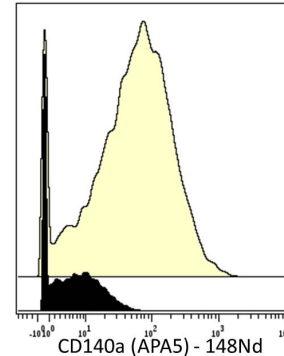
Isotype: Rat IgG2a

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.



Mouse NIH/3T3 fibroblast cell (top) and mouse EL4 T cells (bottom) stained with 148Nd-anti-CD140a (APA5). Total viable cells are displayed in the analysis.

Description

CD140a, also known as platelet-derived growth factor receptor- α (PDGFR- α), is one of two receptors for platelet-derived growth factors (PDGFs). Receptor dimerization and transphosphorylation at tyrosine residues activates the intracellular kinase activity. CD140a is expressed by embryonic tissues and mesenchymal-derived cells of the adult mouse tissues. Expression of CD140a is also associated with various malignancies.

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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