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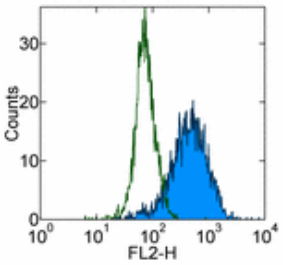
Anti-Mouse CD140a (PDGF Receptor a) PE

Catalog Number: 12-1401
Also Known As:Platelet Derived Growth Factor Receptor, PDGFR a, PDGFRa
RUO: For Research Use Only



Staining of NIH/3T3 cell line with 0.5 µg of Rat IgG2a κ Isotype Control PE (cat. 12-4321) (open histogram) or 0.5 µg of Anti-Mouse CD140a (PDGF Receptor a) PE (filled histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD140a (PDGF Receptor a) PE
REF Catalog Number: 12-1401
Clone: APA5
Concentration: 0.2 mg/ml
Host/Isotype: Rat IgG2a, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.
LOT Batch Code: Refer to Vial
Use By: Refer to Vial
Caution, contains Azide

Description

The APA5 monoclonal antibody reacts with the mouse CD140a molecule, the α chain of the platelet derived growth factor receptor (PDGF receptor). PDGFRa is a receptor tyrosine kinase that forms dimers on the surface upon ligand binding and phosphorylates substrates. Dimers of PDGFR consist of either homodimers of α/α, β/β, or heterodimers of α/β and serve as a substrate for its kinase activity. CD140a is expressed by embryonic tissues and mesenchymal-derived cells of the adult mouse tissues.

Applications Reported

This APA5 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This APA5 antibody has been tested by flow cytometric analysis of NIH/3T3 cells. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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Takakura N, Yoshida H, Ogura Y, Kataoka H, Nishikawa S, Nishikawa S. PDGFR alpha expression during mouse embryogenesis: immunolocalization analyzed by whole-mount immunohistostaining using the monoclonal anti-mouse PDGFR alpha antibody APA5. J Histochem Cytochem. 1997 Jun;45(6):883-93. (APA5, IHC paraffin, PubMed)

Related Products

12-4321 Rat IgG2a K Isotype Control PE