

CD140a (PDGFRA) Monoclonal Antibody (APA5), APC, eBioscience™

Product Details	
Size	50 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	APA5
Conjugate	APC
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_529482

Applications	Tested Dilution	Publications
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	1 µg/test	86 Publications

Product Specific Information

Description: The APA5 monoclonal antibody reacts with the mouse CD140a molecule, the alpha 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 alpha/alpha, beta/beta, or heterodimers of alpha/beta and serve as a substrate for its kinase activity. CD140a is expressed by embryonic tissues and mesenchymal-derived cells of the adult mouse tissues.

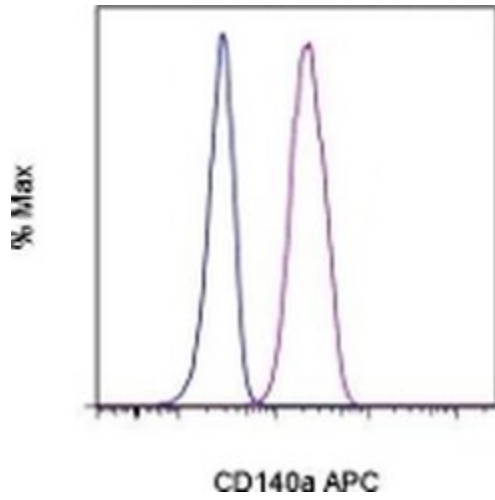
Applications Reported: This APA5 antibody has been reported for use in flow cytometric analysis.

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 1 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD140a (PDGFRA) Monoclonal Antibody (APA5), APC, eBioscience™



CD140a (PDGFRA) Antibody (17-1401-81) in Flow

Staining of NIH-3T3 cells with 0.5 µg of Rat IgG2a K Isotype Control APC (Product # 17-4321-81) (blue histogram) or 0.5 µg of Anti-Mouse CD140a (PDGF Receptor a) APC (purple histogram). Total viable cells were used for analysis.

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Immunohistochemistry (Frozen) (2)

Proceedings of the National Academy of Sciences of the United States of America

Olig2+ neuroepithelial motoneuron progenitors are not multipotent stem cells in vivo.

Authors: Mukouyama YS,Deneen B,Lukaszewicz A,Novitch BG,Wichterle H,Jessell TM,Anderson DJ

Species
Not Applicable

Dilution
Not Cited

Year
2006

The Journal of neuroscience : the official journal of the Society for Neuroscience

Tlx, an orphan nuclear receptor, regulates cell numbers and astrocyte development in the developing retina.

Authors: Miyawaki T,Uemura A,Dezawa M,Yu RT,Ide C,Nishikawa S,Honda Y,Tanabe Y,Tanabe T

Species
Not Applicable

Dilution
Not Cited

Year
2004

Immunocytochemistry (1)

Journal of immunology (Baltimore, Md. : 1950)

Ontogeny of stromal organizer cells during lymph node development.

"17-1401 was used in Immunofluorescence to highlight the importance of the signals and cellular interactions that induce the maturation of stromal cells."

Authors: Bénézech C,White A,Mader E,Serre K,Parnell S,Pfeffer K,Ware CF,Anderson G,Caamaño JH

Species
Mouse

Dilution
Not Cited

Year
2010

Flow Cytometry (86)

Cell death & disease

SCA-1 micro-heterogeneity in the fate decision of dystrophic fibro/adipogenic progenitors.

"17-1401 was used in Flow cytometry/Cell sorting to investigate the impact of heterogeneity in skeletal muscle fibro/adipogenic progenitors (FAPs) isolated from an animal model of Duchenne muscular dystrophy (DMD), the mdx mouse."

Authors: Giuliani G,Vumbaca S,Fuoco C,Gargioli C,Giorda E,Massacci G,Palma A,Reggio A,Riccio F,Rosina M,Vinci M,Castagnoli L,Cesareni G

Species
Mouse

Dilution
1:50

Year
2021

[View more Flow references on thermofisher.com](#)

More applications with references on thermofisher.com

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