

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

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	APA5
Conjugate	FITC
Form	Liquid
Concentration	0.5 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_2572476

Applications	Tested Dilution	Publications
Western Blot (WB)	-	2 Publications
Immunohistochemistry (IHC)	-	14 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunocytochemistry (ICC/IF)	-	9 Publications
Flow Cytometry (Flow)	1 µg/test	26 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.

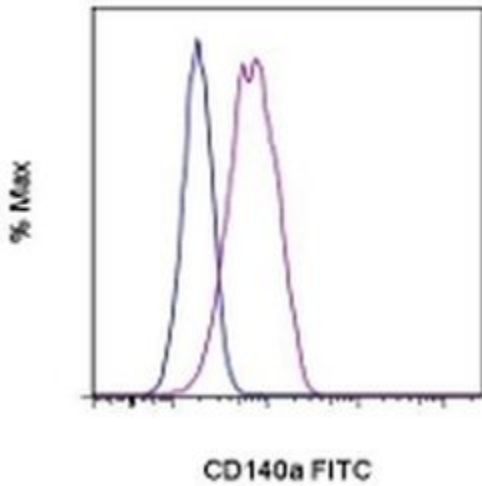
Applications Tested: This APA5 antibody has been tested by flow cytometric analysis of NIH/3T3 cells. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically 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: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD140a (PDGFRA) Antibody (11-1401-82) in Flow

Staining of NIH/3T3 cells with 1 µg of Rat IgG2a K Isotype Control FITC (Product # 11-4321-42) (blue histogram) or 1 µg of Anti-Mouse CD140a (PDGF Receptor a) FITC (purple histogram). Total viable cells were used for analysis.

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Western Blot (2)

PLoS genetics

Cell-cycle dependent expression of a translocation-mediated fusion oncogene mediates checkpoint adaptation in rhabdomyosarcoma.

"Published figure using CD140a (PDGFRA) monoclonal antibody (Product # 11-1401-82) in Western Blot"

Authors: Kikuchi K,Hettmer S,Aslam MI,Michalek JE,Laub W,Wilky BA,Loeb DM,Rubin BP,Wagers AJ,Keller C

Species
Not Applicable

Dilution
Not Cited

Year
2014

Molecular cancer research : MCR

Dynamic and nuclear expression of PDGFR and IGF-1R in alveolar Rhabdomyosarcoma.

"Published figure using CD140a (PDGFRA) monoclonal antibody (Product # 11-1401-82) in Flow Cytometry"

Authors: Aslam MI,Hettmer S,Abraham J,Latocha D,Soundararajan A,Huang ET,Goros MW,Michalek JE,Wang S, Mansoor A,Druker BJ,Wagers AJ,Tyner JW,Keller C

Species
Not Applicable

Dilution
Not Cited

Year
2013

Immunohistochemistry (14)

Scientific reports

Dlx5-augmentation in neural crest cells reveals early development and differentiation potential of mouse apical head mesenchyme.

"Published figure using CD140a (PDGFRA) monoclonal antibody (Product # 11-1401-82) in Immunohistochemistry"

Authors: Vu TH,Takechi M,Shimizu M,Kitazawa T,Higashiyama H,Iwase A,Kurihara H,Iseki S

Species
Not Applicable

Dilution
Not Cited

Year
2021

Nature

Genome editing reveals a role for OCT4 in human embryogenesis.

"Published figure using CD140a (PDGFRA) monoclonal antibody (Product # 11-1401-82) in Immunofluorescence"

Authors: Fogarty NME,McCarthy A,Snijders KE,Powell BE,Kubikova N,Blakeley P,Lea R,Elder K,Wamaitha SE,Kim D, Maciulyte V,Kleinjung J,Kim JS,Wells D,Vallier L,Bertero A,Turner JMA,Niakan KK

Species
Not Applicable

Dilution
Not Cited

Year
2017

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IHC (P) (1) IHC (F) (2) ICC/IF (9) Flow (26)

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