

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

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse, Human, Chicken
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	APA5
Conjugate	Biotin
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_466607

Applications	Tested Dilution	Publications
Western Blot (WB)	-	2 Publications
Immunohistochemistry (IHC)	-	15 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunocytochemistry (ICC/IF)	-	11 Publications
Flow Cytometry (Flow)	1 µg/test	46 Publications
ELISA (ELISA)	-	1 Publication
Immunoprecipitation (IP)	-	1 Publication
Affinity Purification (AP)	-	1 Publication

Product Specific Information

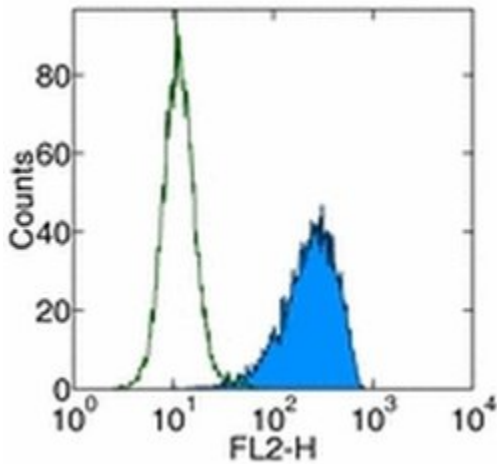
Description: The APA5 monoclonal antibody reacts with the mouse CD140a molecule, the alpha chain of the platelet derived growth factor receptor (PDGF receptor). PDGFRA is a receptor tyrosine kinase that forms dimers on the surface upon ligand binding and phosphorylates substrates. Dimers of PDGFR consist 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: The 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.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD140a (PDGFRA) Antibody (13-1401-82) in Flow

Staining of NIH/3T3 cells with 0.5 µg of Anti-Mouse CD140a (PDGF Receptor a) Biotin followed by Streptavidin PE (Product # 12-4317-87). Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

[View more figures on thermofisher.com](http://thermofisher.com)

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 # 13-1401-82) 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 # 13-1401-82) 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 (15)

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 # 13-1401-82) 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

The Journal of pathology

A smooth muscle-derived, Braf-driven mouse model of gastrointestinal stromal tumor (GIST): evidence for an alternative GIST cell-of-origin.

"Published figure using CD140a (PDGFRA) monoclonal antibody (Product # 13-1401-82) in Immunohistochemistry"

Authors: Kondo J,Huh WJ,Franklin JL,Heinrich MC,Rubin BP,Coffey RJ

Species
Not Applicable

Dilution
Not Cited

Year
2020

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

More applications with references on thermofisher.com

IHC (P) (1)

IHC (F) (2)

ICC/IF (11)

Flow (46)

ELISA (1)

IP (1)

AP (1)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.