

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
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)	-	21 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunocytochemistry (ICC/IF)	-	13 Publications
Flow Cytometry (Flow)	1 µg/test	70 Publications
ELISA (ELISA)	-	1 Publication
Immunoprecipitation (IP)	-	1 Publication
Affinity Purification (AP)	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

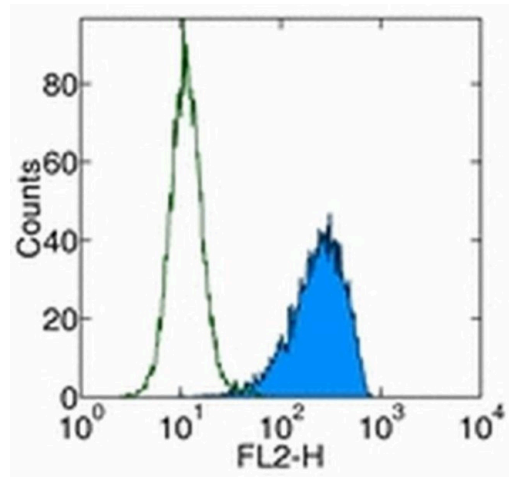
Description: The APA5 monoclonal antibody reacts with the mouse CD140a molecule, the alpha chain of the platelet derived growth factor receptor (PDGF receptor). PDGFRa is a receptor tyrosine kinase that forms dimers on the surface upon ligand binding and phosphorylates substrates. Dimers of PDGFR consist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

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Western Blot (2)

<p>PLoS genetics</p> <p>Cell-cycle dependent expression of a translocation-mediated fusion oncogene mediates checkpoint adaptation in rhabdomyosarcoma.</p> <p>"Published figure using CD140a (PDGFRA) monoclonal antibody (Product # 13-1401-82) in Western Blot"</p> <p>Authors: Kikuchi K,Hettmer S,Aslam MI,Michalek JE,Laub W,Wilky BA,Loeb DM,Rubin BP,Wagers AJ,Keller C</p>	<p>Year</p> <p>2014</p>
<p>Molecular cancer research : MCR</p> <p>Dynamic and nuclear expression of PDGFR and IGF-1R in alveolar Rhabdomyosarcoma.</p> <p>"Published figure using CD140a (PDGFRA) monoclonal antibody (Product # 13-1401-82) in Flow Cytometry"</p> <p>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</p>	<p>Year</p> <p>2013</p>

Immunohistochemistry (21)

<p>Cell death and differentiation</p> <p>Ddx20, an Olig2 binding factor, governs the survival of neural and oligodendrocyte progenitor cells via proper Mdm2 splicing and p53 suppression.</p> <p>"13-1401-82 was used in Immunohistochemistry to investigate how Olig2 controls fate-specification, proliferation and differentiation of various cell types in the nervous system."</p> <p>Authors: Bizen N,Bepari AK,Zhou L,Abe M,Sakimura K,Ono K,Takebayashi H</p>	<p>Year</p> <p>2022</p> <p>Species</p> <p>Mouse</p> <p>Dilution</p> <p>1:200</p>
<p>Nature neuroscience</p> <p>Placental endocrine function shapes cerebellar development and social behavior.</p> <p>"Published figure using CD140a (PDGFRA) monoclonal antibody (Product # 13-1401-82) in Immunohistochemistry"</p> <p>Authors: Vacher CM,Lacaille H,O'Reilly JJ,Salzbank J,Bakalar D,Sebaoui S,Liere P,Clarkson-Paredes C,Sasaki T,Sathyanesan A,Kratimenos P,Ellegood J,Lerch JP,Imamura Y,Popratiloff A,Hashimoto-Torii K,Gallo V,Schumacher M,Penn AA</p>	<p>Year</p> <p>2021</p>

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- IHC (P) (1)
- IHC (F) (2)
- ICC/IF (13)
- Flow (70)
- ELISA (1)
- IP (1)
- AP (1)
- Misc (1)

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