

Mouse anti-Human CD140b Monoclonal Antibody | anti-CD140b antibody

Anti-Hu CD140b PE

CATALOG # AAA128278	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD140b; Monoclonal Antibody; Anti-Hu CD140b PE; platelet derived growth factor receptor beta; PDGFRB; PDGF receptor beta; PDGFR1; anti-CD140b antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	18A2
Specificity	The monoclonal antibody 18A2 recognizes an extracellular epitope of CD140b / PDGF-RB, the 180-190 kDa beta chain of platelet-derived growth factor receptor, which is widely expressed on a variety of mesenchymal-derived cells and plays pro-proliferative roles.
Form/Format	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Sequence Length	777
Applicable Applications for anti-CD140b antibody	FCM/FACS (Flow Cytometry)
Immunogen	CD140b-transfected NIH 3T3 cells
Excitation Laser	Blue (488 nm)
Preparation	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size exclusion chromatography.
Conjugation	PE
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

ADDITIONAL INFORMATION

Related Product Information for anti-CD140b antibody	CD140b / PDGF-RB (platelet-derived growth factor receptor beta) is a cell surface receptor for members of platelet-derived growth factor family, whose intracellular part contains a tyrosine kinase domain. CD140b forms homodimers, or heterodimerizes with CD140a / PDGF-RA. Whereas CD140a can have both pro-proliferative or anti-proliferative effects, the CD140b induces in various cell types their proliferation and migration. CD140b has also developmental roles in the cardiovascular system and is preferentially expressed on some tumours such as medulloblastoma.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74707129
NCBI GeneID	5159
UniProt Accession #	Q59F04 ; P09619

NCBI Official Full Name	Platelet-derived growth factor receptor beta variant
NCBI Official Synonym Full Names	platelet derived growth factor receptor beta
NCBI Official Symbol	PDGFRB
NCBI Official Synonym Symbols	IMF1; KOGS; IBGC4; JTK12; PDGFR; PENTT; CD140B; PDGFR1; PDGFR-1
NCBI Protein Information	platelet-derived growth factor receptor beta

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cd140b-antibody-clone-18a2-flow-cytometry-elisa/128278>