

Product datasheet for TA506233

PDGF Receptor beta (PDGFRB) Mouse Monoclonal Antibody [Clone ID: OTI1D2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1D2
Applications:	FC, IF, WB
Recommend Dilution:	WB 1:2000, IF 1:100, FLOW 1:50
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PDGFRB(NP_002600) produced in HEK293T cell.
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	123.8 kDa
Gene Name:	platelet derived growth factor receptor beta
Database Link:	NP_002600 Entrez Gene 5159 Human
Background:	This gene encodes a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. These growth factors are mitogens for cells of mesenchymal origin. The identity of the growth factor bound to a receptor monomer determines whether the functional receptor is a homodimer or a heterodimer, composed of both platelet-derived growth factor receptor alpha and beta polypeptides. This gene is flanked on chromosome 5 by the genes for granulocyte-macrophage colony-stimulating factor and macrophage-colony stimulating factor receptor; all three genes may be implicated in the 5-q syndrome. A translocation between chromosomes 5 and 12, that fuses this gene to that of the translocation, ETV6, leukemia gene, results in chronic myeloproliferative disorder with eosinophilia. [provided by RefSeq, Jul 2008]
Synonyms:	CD140B; IBGC4; IMF1; JTK12; PDGFR; PDGFR-1; PDGFR1

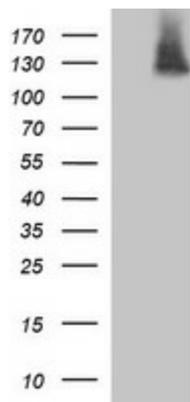


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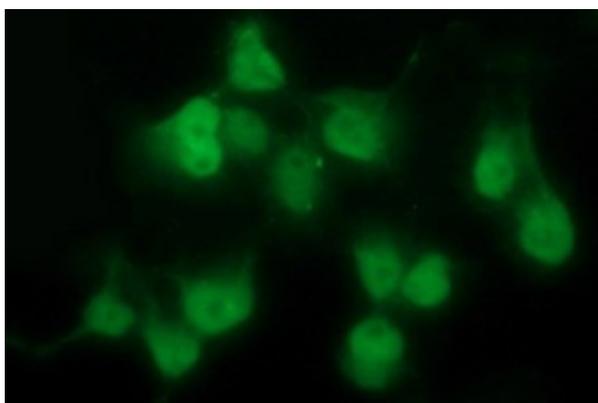
Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase, Transmembrane

Protein Pathways: Calcium signaling pathway, Colorectal cancer, Cytokine-cytokine receptor interaction, Focal adhesion, Gap junction, Glioma, MAPK signaling pathway, Melanoma, Pathways in cancer, Prostate cancer, Regulation of actin cytoskeleton

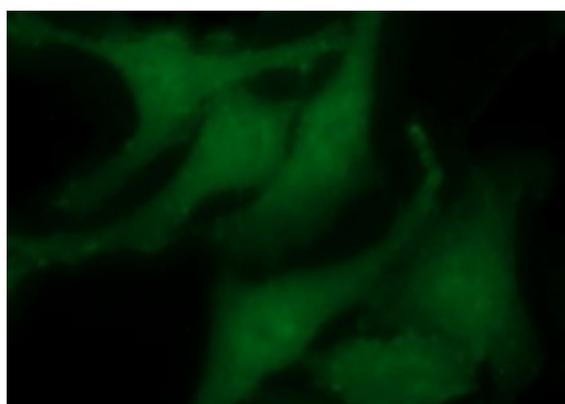
Product images:



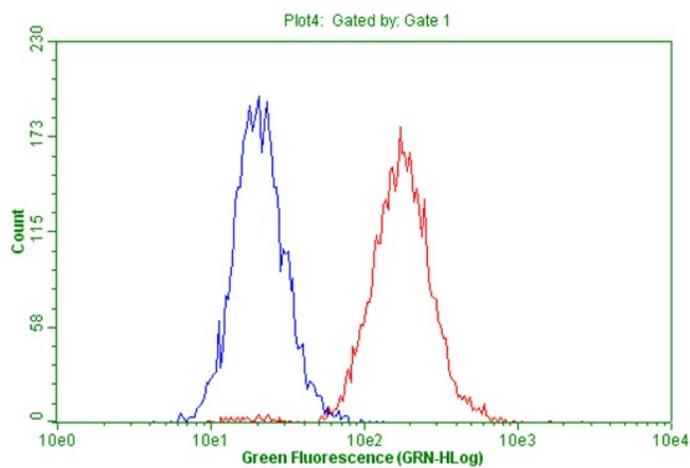
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PDGFRB ([RC206377], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PDGFRB. Positive lysates [LY400921] (100ug) and [LC400921] (20ug) can be purchased separately from OriGene.



Anti-PDGFRB mouse monoclonal antibody (TA506233) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY PDGFRB ([RC206377]).



Immunofluorescent staining of HeLa cells using anti-PDGFRB mouse monoclonal antibody (TA506233).



Flow cytometric Analysis of living SF295 cells, using anti-PDGFRB antibody (TA506233), (Red), compared to a nonspecific negative control antibody, (Blue).