PDGFR alpha Conjugated Antibody

Catalog No: #C49363

Package Size: #C49363-AF350 100ul #C49363-AF405 100ul #C49363-AF488 100ul #C49363-AF555 100ul #C49363-AF594 100ul #C49363-AF647 100ul #C49363-AF680 100ul #C49363-AF750 100ul #C49363-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	PDGFR alpha Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Alpha-type platelet-derived growth factor receptor antibody CD140 antigen-like family member A antibody CD140a antibody CD140a antigen antibody MGC74795 antibody PDGF alpha chain antibody PDGF-R-alpha antibody PDGFR 2 antibody PDGFR alpha antibody PDGFR2 antibody PDGFRA antibody PDGFRA/BCR fusion antibody PGFRA_HUMAN antibody Platelet derived growth factor receptor 2 antibody Platelet derived growth factor receptor alpha antibody Platelet derived growth factor receptor alpha polypeptide antibody Platelet derived growth factor receptor antibody Rearranged in hypereosinophilia platelet derived growth factor receptor alpha fusion protein antibody RHEPDGFRA antibody
Accession No.	Swiss-Prot#:P16234
Uniprot	P16234
GeneID	5156;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	123 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Platelet-derived growth factor (PDGF) is a mitogen for mesenchyme- and glia-derived cells. PDGF consists of two chains, A and B, which dimerize to form functionally distinct isoforms, PGDF-AA, PDGF-AB and PDGF-BB. These three isoforms bind with different affinities to two receptor types, PDGFR-α and -β, which are endowed with protein tyrosine kinase domains. PDGFR-α can bind to both A and B subunits of PDGF, while PDGFR-β can only bind the B subunit. Ligand binding promotes either homo- or heterodimerization of the PDGF receptors in a specific manner. PDGF-AA induces the dimerization of two α receptors, PDGF-AB induces dimerization of αα and αβ and PDGF-BB induces the formation of three types of dimers, αα, αβ and ββ. Translocation of the PDGFR-β gene with the Tel gene is linked to chronic myelomonocytic leukemia (CMML), a myelodysplastic syndrome, and demonstrates the oncogenic potential of the PDGF receptors.

Note: This product is for in vitro research use only