

PDGFRA Monoclonal Antibody (16A1), PE

Catalog NumberMA1-10099

Product data sheet

Details		Species Reactivity	
Size	100 Tests	Species reactivity	Human
Host/Isotope	Mouse / IgG1, kappa	Tested Applications	
Class	Monoclonal	Dilution *	
Type	Antibody	Flow Cytometry (Flow)	20 µL/1x10^6 cells
Clone	16A1	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Immunogen	CD140a-transfected NIH 3T3 cells		
Conjugate	PE		
Form	Liquid		
Storage Conditions	4° C, store in dark, DO NOT FREEZE!		

Background/Target Information

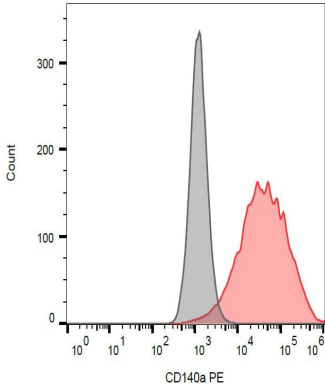
PDGFRA is a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. These growth factors are mitogens for cells of mesenchymal origin. The identity of the growth factor bound to a receptor monomer determines whether the functional receptor is a homodimer or a heterodimer, composed of both platelet-derived growth factor receptor alpha and beta polypeptides. Studies in knockout mice, where homozygosity is lethal, indicate that the alpha form of the platelet-derived growth factor receptor is particularly important for kidney development since mice heterozygous for the receptor exhibit defective kidney phenotypes.

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PDGFRA Antibody (MA1-10099) in Flow

Separation of CD140a transfected human blood cells stained using anti-human CD140a (16A1) PE Monoclonal antibody (Product # MA1-10099). Concentration in sample 9 µg/mL (red) from unstained CD140a transfected cells (black) in flow cytometry analysis (surface staining).

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