

Mouse Monoclonal Antibody to PDGFRA

Catalogue Number	sAP-1074
Target Molecule	Name: PDGFRA Aliases: CD140A; PDGFR2; PDGFR-2; RHEPDGFRA MW: 122.7kDa Entrez Gene ID: 5156
Description	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. Studies suggest that this gene plays a role in organ development, wound healing, and tumor progression. Mutations in this gene have been associated with idiopathic hypereosinophilic syndrome, somatic and familial gastrointestinal stromal tumors, and a variety of other cancers.
Immunogen	Purified recombinant fragment of human PDGFRA (AA: 361-528) expressed in E. Coli.
Reactive Species	Human;
Clone	MM8E12F2;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Stem Cells Dev. 2013 Jul 1;22(13):1932-43.; 2. Cancer Biol Ther. 2012 Dec;13(14):1384-9.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**