

Datasheet for ABIN5542490  
**anti-PDGFR $\alpha$  antibody (AA 361-528)**[Go to Product page](#)

## 5 Images

## Overview

Quantity:	0.1 mg
Target:	PDGFR $\alpha$
Binding Specificity:	AA 361-528
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PDGFR $\alpha$ antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Purified recombinant fragment of human PDGFR $\alpha$ (AA: 361-528) expressed in E. coli.
Clone:	8E12F2
Isotype:	IgG1
Purification:	purified

## Target Details

Target:	PDGFR $\alpha$
Alternative Name:	PDGFR $\alpha$ ( <a href="#">PDGFR<math>\alpha</math> Products</a> )
Background:	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

## Target Details

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.

Aliases: CD140A, PDGFR2, PDGFR-2, RHEPDGFRA

Molecular Weight:	122.7 kDa
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Gene ID:	5156
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HGNC:	5156
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Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Platelet-derived growth Factor Receptor Signaling</a>
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## Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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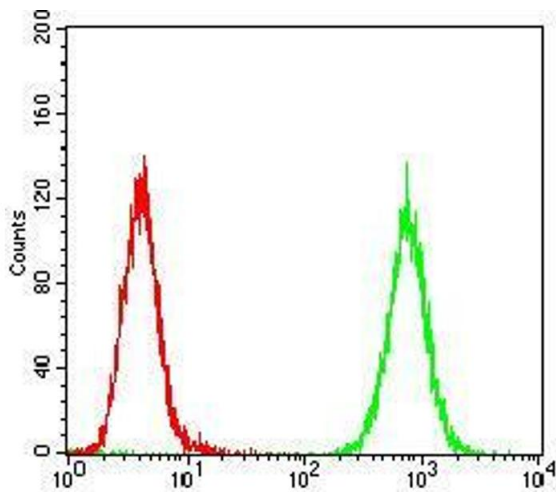
Buffer:	Purified antibody in PBS with 0.05 % sodium azide.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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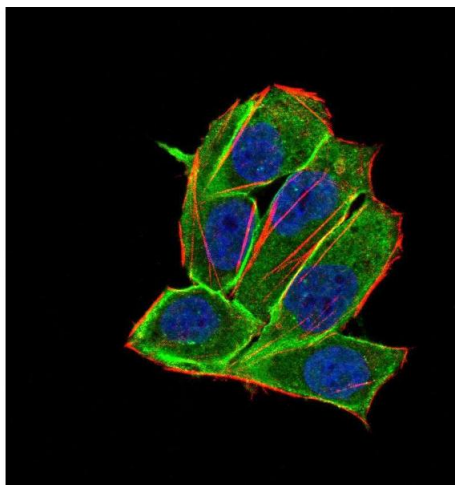
Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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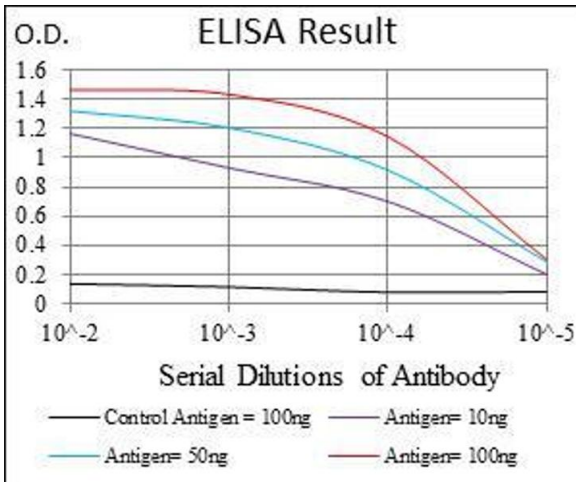
### Flow Cytometry

**Image 1.** Flow cytometric analysis of Hela cells using PDGFRA mouse mAb (green) and negative control (red).



### Immunofluorescence

**Image 2.** Immunofluorescence analysis of Hela cells using PDGFRA 8E12F2 HELA 100 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



### ELISA

**Image 3.** Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN5542490.