

## Product datasheet for **BM028**

### PDGF Receptor alpha (PDGFRA) Mouse Monoclonal Antibody [Clone ID: 57/20 (35248)]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	57/20 (35248)
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA: 0.5-1.0 µg/ml. Western Blot: 1-2 µg/ml. Immunohistochemistry on Paraffin Embedded Sections: 10-20 µg/ml.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant human platelet-derived growth factor (PDGF) receptor alpha (extracellular domain), derived from the insect cell line Sf21.
Specificity:	This antibody detects PDGF RECEPTOR ALPHA. The ND50 was determined as 0.2-0.6 µg/ml for blocking 10 ng/ml of PDGF-AA biological activity on a quiescent confluent cell culture of Human WS1 cells.
Formulation:	PBS, pH 7.2 containing 0.09% Sodium Azide as preservative and 10% Trehalose as stabilizer. State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	platelet derived growth factor receptor alpha
Database Link:	<a href="#">Entrez Gene 5156 Human P16234</a>



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**Background:** PDGF is a major serum mitogen that can exist as a homo- or heterodimeric protein consisting of disulphidelinked PDGF-A and PDGF-B chains. The PDGF-AA, PDGF-BB and PDGF-AB isoforms have been shown to bind to two distinct cell surface PDGF receptors with different affinities. Whereas PDGF receptor alpha binds all three isoforms with high affinity, PDGF R beta binds PDGF-BB and AB but not PDGF-AA. Both PDGF receptor alpha and beta are members of the class III subfamily of receptor tyrosine kinases.

**Synonyms:** PDGF-R-alpha, PDGF Receptor alpha