

PDGFA mouse monoclonal antibody (hybridoma)

Catalog # H00005154-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant PDGFA.
Immunogen	PDGFA (NP_002598.4, 1 a.a. ~ 211 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MRTLACLLLLGCGYLAHVLAEEAEIPREVIERLARSQIHSIRDLQRLLIDSVGSEDSLDTSLRAHGV HATKHVPEKRPLPIRRKRSIEEAVPAVCKTRTVIYEIPRSQVDPTSANFLWPPCVEVKRCTGCCNT SSVKCQPSRVHHRSVKVAKEVYVRKKPKLKEVQVRLEEHLACACATTSLNPDYREEDTGRPRE SGKKRKRRLKPT
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PDGFA

Entrez GeneID [5154](#)

GeneBank Accession# [NM_002607.4](#)

Protein Accession# [NP_002598.4](#)

Gene Name PDGFA

Gene Alias PDGF-A, PDGF1

Gene Description platelet-derived growth factor alpha polypeptide

Omim ID [173430](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a member of the platelet-derived growth factor family. The four members of this family are mitogenic factors for cells of mesenchymal origin and are characterized by a motif of eight cysteines. This gene product can exist either as a homodimer or as a heterodimer with the platelet-derived growth factor beta polypeptide, where the dimers are connected by disulfide bonds. Studies using knockout mice have shown cellular defects in oligodendrocytes, alveolar smooth muscle cells, and Leydig cells in the testis; knockout mice die either as embryos or shortly after birth. Two splice variants have been identified for this gene. [provided by RefSeq]

Other Designations PDGF A-chain|platelet-derived growth factor alpha|platelet-derived growth factor alpha chain|platelet-derived growth factor alpha isoform 2 preproprotein

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Focal adhesion](#)
- [Gap junction](#)
- [Glioma](#)
- [MAPK signaling pathway](#)
- [Melanoma](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)

- [Regulation of actin cytoskeleton](#)

Disease

- [Asthma](#)
- [Coronary Artery Disease](#)
- [Genetic Predisposition to Disease](#)