

Product datasheet for **AM50307PU-S**

PLGF (PGF) Mouse Monoclonal Antibody [Clone ID: PLGF94]

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | PLGF94 |
| Recommended Dilution: | ELISA: Use BSA free Antibody for coating. Functional Studies: Use Antibody without BSA & Azide. Positive Control: HepG2 cells or human placental and brain tumors. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Recombinant human PLGF protein. |
| Specificity: | The onset of angiogenesis is believed to be an early event in tumorigenesis and may facilitate tumor progression and metastasis. Several growth factors with angiogenic activity have been described. These include fibroblast growth factor (FGF), platelet derived growth factor (PDGF), vascular endothelial growth factor (VEGF) and placenta growth factor (PIGF). Like VEGF, several PIGF variants have been shown to arise from alternative mRNA splicings. Evidence has suggested VEGF to be an obligatory component in PIGF signaling. While VEGF homodimers and VEGF/PIGF heterodimers function as potent mediators of mitogenic and chemotactic responses in endothelial cells, PIGF homodimers are effectual only at extremely high concentrations. Indeed, many of the physiological effects attributed to VEGF may actually be a result of VEGF/PIGF. VEGF and PIGF share a common receptor, Flt-1, and may also activate Flk-1/KDR. Cellular Localization: Secreted (extracellular). |
| Formulation: | 10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide |
| Concentration: | lot specific |
| Purification: | Protein A/G Chromatography |
| Conjugation: | Unconjugated |



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| Storage: | Store undiluted at 2-8°C. |
| Stability: | Shelf life: one year from despatch. |
| Predicted Protein Size: | 18 kDa |
| Gene Name: | placental growth factor |
| Database Link: | Entrez Gene 5228 Human P49763 |
| Synonyms: | PGFL, PLGF, PIGF |