

Rabbit Anti-Rat PlGF

ORDERING INFORMATION

Catalog Number:	104-PA04
Size:	100 µg
Formulation:	Polyclonal Antibody ; Lyophilized
Synonyms:	Pgf; PlGF; Plgf;
Antigen:	Recombinant rat PlGF (RT #R20-062)
Application:	IHC, IF
NCBI Gene ID:	18654
Buffer:	PBS pH 7.4 w/o preservative

Description:

Placenta growth factor (PlGF) is a member of the vascular endothelial growth factor (VEGF) family of growth factors. PlGF and VEGF share primary structural as well as limited amino acid sequence homology with the A and B chains of PDGF. All eight cysteine residues involved in intra and interchain disulfides are conserved among these growth factors. As a result of alternative splicing, three PlGF RNAs encoding monomeric human PlGF1, PlGF2 and PlGF3 isoform precursors containing 149, 179 and 219 amino acid residues, respectively, have been described. In normal mouse tissues, only one mouse PlGF mRNA encoding the equivalent of human PlGF2 has been identified. Mouse PlGF shares 65% amino acid identity with human PlGF2. The gene for PlGF has been mapped to mouse chromosome 12 and human chromosome 14. PlGF binds with high affinity to Flt1, but not to Flk1/KDR.

Reconstitution:

Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml.

Stability:

The lyophilized antibody is stable at room temperature for up to 1 month. The reconstituted antibody is stable for at least two weeks at 2-8 °C. Frozen aliquots are stable for at least 6 months when stored at -20 °C. **Avoid repeated freeze-thaw cycles!**

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 !