



Anti-mouse PIGF „Placenta Growth Factor“

Catalog Number 103-PA04
Lot Number (See product label)
Size 200µg

Species Reactivity Mouse
Isotype Polyclonal Rabbit IgG
Immunogen Recombinant mouse PIGF
(RT# M30-019)
Accession codes:
P49764
NM_008827

Preparation: Produced from sera of rabbits pre-immunized with highly pure (>95%) recombinant mouse PIGF (Ala24-Pro158) derived from Sf9 insect cells.

Purification: Protein-A purified

Endotoxin level: < 0.1 EU/1µg of the antibody (LAL)

Formulation: Lyophilized from PBS, pH 7.2

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

Storage/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!**

APPLICATIONS

Western Blot: 2-5µg/mL (No cross-reactivity with recombinant human PIGF under non-reducing conditions is observed.)

NOTE: Optimal dilutions should be determined by each laboratory for each application!

Country of Origin: Germany

Product Information

Placenta growth factor (PIGF) is a member of the vascular endothelial growth factor (VEGF) family of growth factors. PIGF 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 PIGF RNAs encoding monomeric human PIGF1, PIGF2 and PIGF3 isoform precursors containing 149, 179 and 219 amino acid residues, respectively, have been described. In normal mouse tissues, only one mouse PIGF mRNA encoding the equivalent of human PIGF2 has been identified. Mouse PIGF shares 65% amino acid identity with human PIGF2. The gene for PIGF has been mapped to mouse chromosome 12 and human chromosome 14. PIGF binds with high affinity to Flt1, but not to Flk1/KDR.

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Not for human use.**

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