

## Product datasheet for **AP01135PU-S**

### PLGF (PGF) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<p><b>Sandwich ELISA:</b> To detect Human PIGF (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. In conjunction with Biotinylated Anti-Human PIGF as a detection antibody (<i>Cat.-No</i> AP01135BT), it allows the detection of at least 0.2-0.4 ng/well of recombinant Human PIGF.</p> <p><b>Western blot:</b> To detect Human PIGF this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human PIGF is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.</p> <p><b>Immunohistochemistry on Paraffin Sections:</b> This antibody stained formalin-fixed, paraffin-embedded sections of Human breast invasive ductal carcinoma.</p> <p><b>Recommended Concentration:</b> 2.0 µg/ml with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Heat induced antigen retrieval with a pH 6.0 sodium citrate buffer is recommended (See <i>Figures</i>).</p>
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (> 98%) E.coli derived from recombinant Human PIGF
Specificity:	This antibody detects Human PIGF. Other species not tested.
Formulation:	<p>PBS, pH 7.2</p> <p>State: Aff - Purified</p> <p>State: Lyophilized (sterile filtered) purified Ig fraction</p>
Reconstitution Method:	Centrifuge vial prior to opening. Restore in sterile water to a concentration of 0.1 - 1.0 mg/ml.
Purification:	Immunoaffinity Chromatography employing immobilized Human PIGF matrix
Conjugation:	Unconjugated
Storage:	<p>Store lyophilized at 2-8°C for 6 months or at -20°C long term.</p> <p>After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.</p> <p>Avoid repeated freezing and thawing.</p>



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**Stability:** Shelf life: one year from despatch.

**Gene Name:** placental growth factor

**Database Link:** [Entrez Gene 5228 Human P49763](#)

**Background:** PLGF is a growth factor active in angiogenesis, and endothelial cell growth, stimulating their proliferation and migration. It belongs to the cysteine-knot superfamily. PLGF is expressed in placental tissues, colon and mammary carcinomas. It signals through the VEGFR-1/FLT1 receptor.

**Synonyms:** PGFL, PLGF, PIGF

### Product images:

