

For Research Use Only

# PGF/PIGF Recombinant antibody, PBS Only (Capture)

Catalog Number: 83170-4-PBS



## Basic Information

|                           |             |                           |                         |                      |                        |
|---------------------------|-------------|---------------------------|-------------------------|----------------------|------------------------|
| Catalog Number:           | 83170-4-PBS | GenBank Accession Number: | BC007789                | Purification Method: | Protein A purification |
| Size:                     | 1 mg/ml     | GeneID (NCBI):            | 5228                    | CloneNo.:            | 230532H3               |
| Source:                   | Rabbit      | UNIPROT ID:               | P49763                  |                      |                        |
| Isotype:                  | IgG         | Full Name:                | placental growth factor |                      |                        |
| Immunogen Catalog Number: | AG0969      | Calculated MW:            | 25 kDa                  |                      |                        |

## Applications

**Tested Applications:**  
Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Background Information

Placenta growth factor (PLGF) is also named as PGF and PGFL. PGF is a homodimeric glycoprotein, 46-50 kDa in size, belonging to the vascular endothelial growth factor (VEGF) sub-family. It plays an important role in pathological VEGF-driven angiogenesis. PLGF is expressed not only in placental cells but also in colon and mammary carcinomas. It acts as a primary inflammatory instigator of atherosclerotic plaque instability and thus may be useful as a risk-predicting biomarker in patients with acute coronary syndromes (ACS).

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**  
**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:

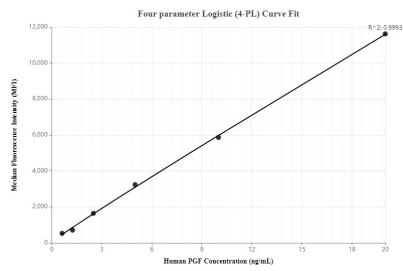
T: 4006900926

E: Proteintech-CN@ptglab.com

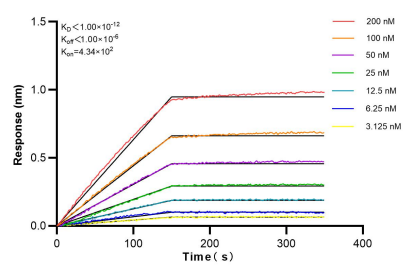
W: ptgcn.com

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## Selected Validation Data



Cytometric bead array standard curve of MP00146-1, PGF Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83170-4-PBS. Detection antibody: 83170-2-PBS. Standard: Ag0969. Range: 0.625-20 ng/mL



Biolayer interferometry (BLI) kinetic assays of 83170-4-RR against Human PGF were performed. The affinity constant is below 1 pM.