

For Research Use Only

# PGF Recombinant antibody

Catalog Number: 83170-4-RR



## Basic Information

|  |  |   |
|--|--|---|
| <b>Catalog Number:</b><br>83170-4-RR       | <b>GenBank Accession Number:</b><br>BC007789 | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>800 µg/ml                  | <b>GeneID (NCBI):</b><br>5228                | <b>CloneNo.:</b><br>230532H3                          |
| <b>Source:</b><br>Rabbit                   | <b>UNIPROT ID:</b><br>P49763                 |   |
| <b>Isotype:</b><br>IgG                     | <b>Full Name:</b><br>placental growth factor |   |
| <b>Immunogen Catalog Number:</b><br>AG0969 | <b>Calculated MW:</b><br>25 kDa              |   |

## Applications

**Tested Applications:**  
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 -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

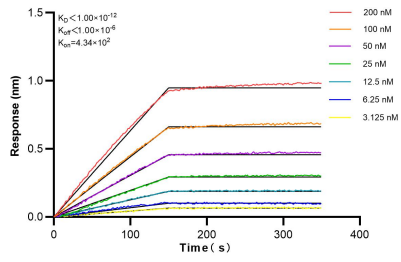
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## Selected Validation Data



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