

For Research Use Only

# Mouse Pgf Recombinant antibody, PBS Only (Capture)

Catalog Number:85285-3-PBS



## Basic Information

<b>Catalog Number:</b> 85285-3-PBS	<b>GenBank Accession Number:</b> NM_008827.3	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 18654	<b>CloneNo.:</b> 250949G9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q544A5	
<b>Isotype:</b> IgG	<b>Full Name:</b> placental growth factor	
<b>Immunogen Catalog Number:</b> EG5118	<b>Calculated MW:</b> 18 kDa	

## Applications

**Tested Applications:**  
Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

**Species Specificity:**  
mouse

## Product Information

85285-3-PBS targets Pgf as part of a matched antibody pair:

MP02410-1: 85285-3-PBS capture and 85285-2-PBS detection (validated in Cytometric bead array, Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Storage

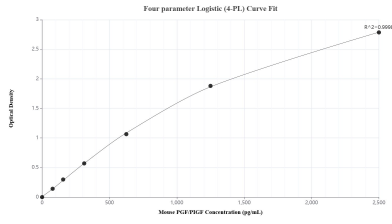
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

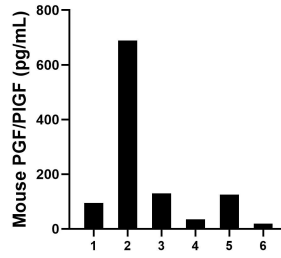
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

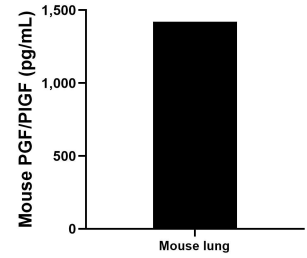
## Selected Validation Data



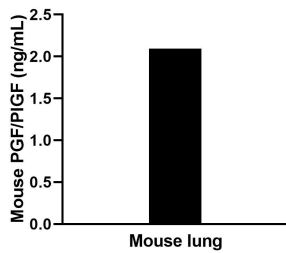
Sandwich ELISA standard curve of MP02410-1, Mouse PGF/PIGF Recombinant Matched Antibody Pair - PBS only. 85285-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg5118. 85285-2-PBS was HRP conjugated as the detection antibody. Range: 78.1-2500 pg/mL



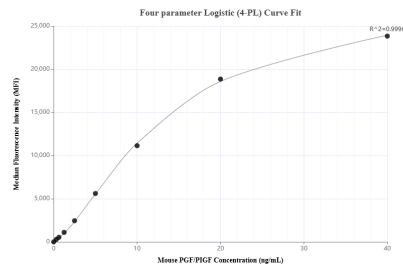
Serum of six mice was measured. The PGF/PIGF concentration of detected samples was determined to be 182.2 pg/mL with a range of 19.7-688.4 pg/mL



Two mouse lungs (1-2 mm pieces in 40 mL of medium) were cultured in RPMI supplemented with 10% fetal calf serum. The cell culture supernate was assayed for mouse PGF/PIGF and measured 1,420.5 pg/mL



Two mouse lungs (1-2 mm pieces in 40 mL of medium) were cultured for 6 days in RPMI supplemented with 10% fetal calf serum. The cell culture supernate was assayed for mouse PGF/PIGF and measured 2.1 ng/mL



Cytometric bead array standard curve of MP02410-1, MOUSE PGF/PIGF Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85285-3-PBS. Detection antibody: 85285-2-PBS. Standard: Eg5118. Range: 0.312-40 ng/mL