

# PGF/PIGF Monoclonal Matched Antibody Pair, PBS Only

Catalog Number: MP50063-1

## Capture Antibody Information

**Catalog Number:**  
68644-2-PBS

**Host:**  
Mouse

**Isotype:**  
IgG1

**Purification Method:**  
Protein A purification

**Clone ID:**  
4F4F3

**Reactivity:**  
human

**GenBank:**  
NP\_001193941.1

**Conjugate:**  
Unconjugated

**Full name:**  
placental growth factor

**Gene ID:**  
5228

**Affinity:**  
 $K_D = 1.12 \times 10^{-10}$   
 $K_{Off} = 2.03 \times 10^{-6}$   
 $K_{On} = 1.81 \times 10^4$

## Detection Antibody Information

**Catalog Number:**  
68644-1-PBS

**Host:**  
Mouse

**Isotype:**  
IgG2b

**Purification Method:**  
Protein A purification

**Clone ID:**  
3E9D2

**Reactivity:**  
human

**GenBank:**  
NP\_001193941.1

**Conjugate:**  
Unconjugated

**Full name:**  
placental growth factor

**Gene ID:**  
5228

**Affinity:**  
 $K_D = 2.49 \times 10^{-9}$   
 $K_{Off} = 1.28 \times 10^{-4}$   
 $K_{On} = 5.12 \times 10^4$

## Applications

**Tested Applications:**  
Sandwich ELISA

**Range:**  
31.25–2000 pg/mL (Sandwich ELISA)

**Recommended Dilutions:**  
It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

## Product Information

MP50063-1 targets PGF/PIGF in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: PGF/PIGF Monoclonal antibody, PBS Only (Capture) 68644-2-PBS (4F4F3). 100 µg. Concentration 1 mg/mL.

Detection antibody: PGF/PIGF Monoclonal antibody, PBS Only (Detector) 68644-1-PBS (3E9D2). 100 µg. Concentration 1 mg/mL.

Unconjugated mouse monoclonal antibody pair in PBS only storage buffer at a concentration of 1 mg/mL, ready for conjugation.

Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

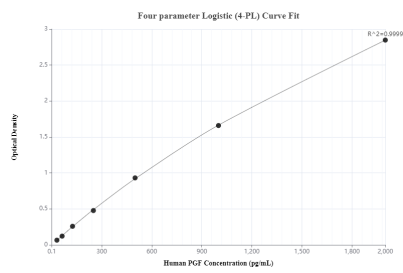
Antibody use should be optimized for each application and assay.

## 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

## Selected Validation Data



Sandwich ELISA standard curve of MP50063-1, PGF Monoclonal Matched Antibody Pair - PBS only. 68644-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0653. 68644-1-PBS was HRP conjugated as the detection antibody. Range: 31.25-2000 pg/mL.