

PGF/PIGF Monoclonal Matched Antibody Pair, PBS Only

Catalog Number: **MP50063-2**

Capture Antibody Information

Catalog Number: 68644-3-PBS	Clone ID: 3G4E1	Conjugate: Unconjugated
Host: Mouse	Reactivity: human	Full name: placental growth factor
Isotype: IgG1	GenBank: NP_001193941.1	Gene ID: 5228
Purification Method: Protein A purification	Immunogen Catalog Number: Eg0653	Affinity: $K_D = 1.93 \times 10^{-10}$ $K_{off} = 2.80 \times 10^{-6}$ $K_{on} = 1.45 \times 10^4$

Detection Antibody Information

Catalog Number: 68644-1-PBS	Clone ID: 3E9D2	Conjugate: Unconjugated
Host: Mouse	Reactivity: human	Full name: placental growth factor
Isotype: IgG2b	GenBank: NP_001193941.1	Gene ID: 5228
Purification Method: Protein A purification	Immunogen Catalog Number: Eg0653	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.
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Product Information

MP50063-2 targets PGF/PIGF in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: PGF/PIGF Monoclonal antibody, PBS Only (Capture) 68644-3-PBS (3G4E1). 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.

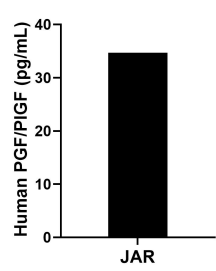
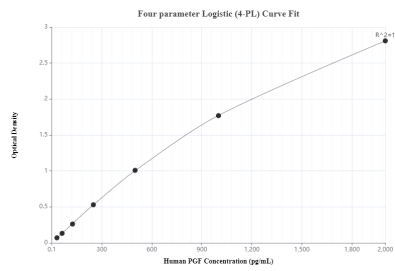
Antibody use should be optimized for each application and assay.

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 MP50063-2, PGF Monoclonal Matched Antibody Pair - PBS only. 68644-3-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.

JAR were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100 μ g/mL streptomycin sulfate. An aliquot of the cell culture supernate was removed, assayed for human PGF/PIGF, and measured 34.7 pg/mL.