

GPX4 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: MP00049-3

Capture Antibody Information

Catalog Number: 82949-4-PBS	Clone ID: 230168E11	Conjugate: Unconjugated
Host: Rabbit	Reactivity: human	Full name: glutathione peroxidase 4 (phospholipid hydroperoxidase)
Isotype: IgG	GenBank: BC022071	Gene ID: 2879
Purification Method: Protein A purification	Immunogen Catalog Number: Ag5809	

Detection Antibody Information

Catalog Number: 82949-1-PBS	Clone ID: 230168A8	Conjugate: Unconjugated
Host: Rabbit	Reactivity: human	Full name: glutathione peroxidase 4 (phospholipid hydroperoxidase)
Isotype: IgG	GenBank: BC022071	Gene ID: 2879
Purification Method: Protein A purification	Immunogen Catalog Number: Ag5809	

Applications

Tested Applications: Cytometric bead array, Sandwich ELISA	Range: 2.5-20 ng/mL (Cytometric Bead Array) 1.56-100 ng/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

MP00049-3 targets GPX4 in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: GPX4 Recombinant antibody, PBS Only (Capture) 82949-4-PBS (230168E11). 100 µg. Concentration 1 mg/mL.

Detection antibody: GPX4 Recombinant antibody, PBS Only (Detector) 82949-1-PBS (230168A8). 100 µg. Concentration 1 mg/mL.

Alternative GPX4 matched antibody pairs: MP00049-1, MP00049-2, MP50524-1

Unconjugated rabbit recombinant monoclonal antibody pair in PBS only 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.

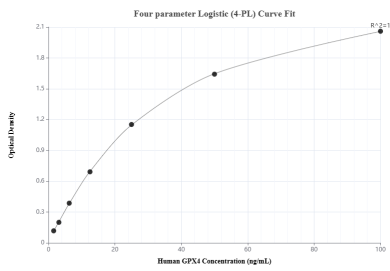
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

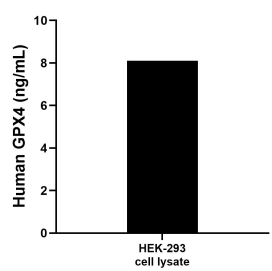
Storage

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

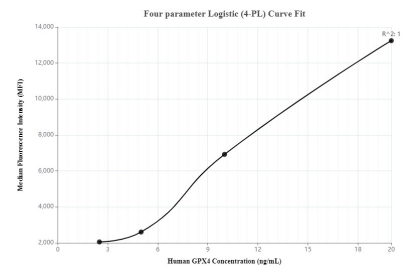
Selected Validation Data



Sandwich ELISA standard curve of MP00049-3, Human GPX4 Recombinant Matched Antibody Pair - PBS only. 82949-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag5809. 82949-1-PBS was HRP conjugated as the detection antibody. Range: 1.56-100 ng/mL



HEK-293 cell lysate was measured. The human GPX4 concentration of detected samples was determined to be 8.1 ng/mL (based on a 1.2 mg/mL extract load).



Cytometric bead array standard curve of MP00049-3, GPX4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 82949-4-PBS. Detection antibody: 82949-1-PBS. Standard: Ag5809. Range: 2.5-20 ng/mL