

Peroxiredoxin 2 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP02542-2**

Capture Antibody Information

Catalog Number:
86599-3-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
251494G7
Reactivity:
human
GenBank:
BC003022
Immunogen Catalog Number:
Ag0835

Conjugate:
Unconjugated
Full name:
peroxiredoxin 2
Gene ID:
7001

Detection Antibody Information

Catalog Number:
86599-1-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
251494D3
Reactivity:
human
GenBank:
BC003022
Immunogen Catalog Number:
Ag0835

Conjugate:
Unconjugated
Full name:
peroxiredoxin 2
Gene ID:
7001

Applications

Tested Applications:
Sandwich ELISA

Range:
3.13-200 ng/mL (Sandwich ELISA)

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

Product Information

MP02542-2 targets Peroxiredoxin 2 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: PRDX2 Recombinant monoclonal antibody, PBS Only (Capture) 86599-3-PBS (251494G7). 100 µg. Concentration 1 mg/mL.

Detection antibody: PRDX2 Recombinant monoclonal antibody, PBS Only (Detector) 86599-1-PBS (251494D3). 100 µg. Concentration 1 mg/mL.

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.

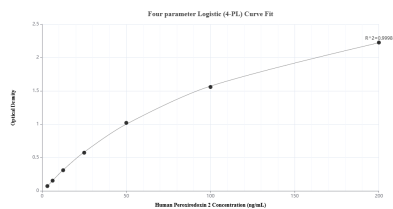
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

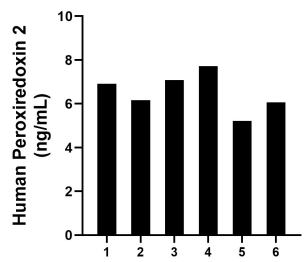
Storage

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

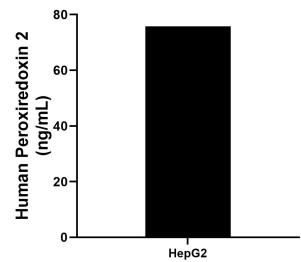
Selected Validation Data



Sandwich ELISA standard curve of MP02542-2, Human Peroxiredoxin 2 Recombinant Matched Antibody Pair - PBS only. 86599-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag0835. 86599-1-PBS was HRP conjugated as the detection antibody. Range: 3.13-200 ng/mL



Plasma of six individual healthy human donors was measured. The human Peroxiredoxin 2 concentration of detected samples was determined to be 6.52 ng/mL with a range of 5.21 - 7.71 ng/mL



The mean Peroxiredoxin 2 concentration was determined to be 75.74 ng/mL in HepG2 cell extract based on a 1.2 mg/mL extract load.