

MTCO2 Recombinant Matched Antibody Pair, PBS Only

Catalog Number:MP00254-1

Capture Antibody Information

Catalog Number:
83132-3-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
230448B4

Reactivity:
human

GenBank:
YP_003024029

Conjugate:
Unconjugated

Full name:
cytochrome c oxidase II

Gene ID:
4513

Detection Antibody Information

Catalog Number:
83132-6-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
230448E2

Reactivity:
human

GenBank:
YP_003024029

Conjugate:
Unconjugated

Full name:
cytochrome c oxidase II

Gene ID:
4513

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA

Range:
0.313-20 ng/mL (Cytometric Bead Array)
7.8-250 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

MP00254-1 targets MTCO2 in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: MTCO2 Recombinant monoclonal antibody, PBS Only (Capture) 83132-3-PBS (230448B4). 100 µg. Concentration 1 mg/mL.

Detection antibody: MTCO2 Recombinant monoclonal antibody, PBS Only (Detector) 83132-6-PBS (230448E2). 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.

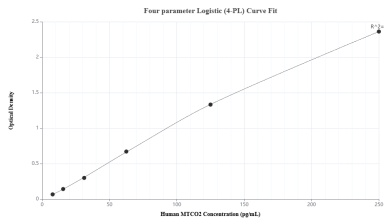
Storage

Storage:
Store at -80°C.

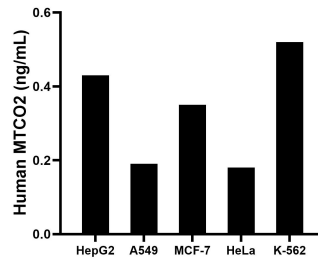
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage buffer:
PBS only

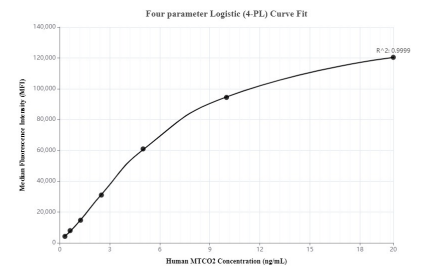
Selected Validation Data



Sandwich ELISA standard curve of MP00254-1, Human MTCO2 Recombinant Matched Antibody Pair - PBS only. 83132-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard SY01099. 83132-6-PBS was HRP conjugated as the detection antibody. Range: 7.8-250 pg/mL



The mean MTCO2 concentration was determined to be 0.43 ng/mL in HepG2 cell extract based on a 1.2 mg/mL extract load, 0.19 ng/mL in A549 cell extract based on a 1.1 mg/mL extract load, 0.35 ng/mL in MCF-7 cell extract based on a 1.2 mg/mL extract load, 0.18 ng/mL in HeLa cell extract based on a 1.2 mg/mL extract load and 0.52 ng/mL in K-562 cell extract based on a 1.2 mg/mL extract load.



Cytometric bead array standard curve of MP00254-1, MTCO2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83132-3-PBS. Detection antibody: 83132-6-PBS. Standard: SY01099. Range: 0.313-20 ng/mL