

For Research Use Only

MTHFR Recombinant Matched Antibody Pair, PBS Only



Catalog Number:MP00372-1

Capture Antibody Information

Catalog Number:
83372-5-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
240348C3
Reactivity:
human
Immunogen Catalog Number:
Ag14970

Conjugate:
Unconjugated
Full name:
5,10-methylenetetrahydrofolate reductase (NADPH)
Gene ID:
4524

Detection Antibody Information

Catalog Number:
83372-4-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
240348H7
Reactivity:
human
GenBank:
BC053509
Immunogen Catalog Number:
Ag14970

Conjugate:
Unconjugated
Full name:
5,10-methylenetetrahydrofolate reductase (NADPH)
Gene ID:
4524

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA

Range:
0.78-100 ng/mL (Cytometric Bead Array)
0.156-10 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

MP00372-1 targets MTHFR in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: MTHFR Recombinant antibody, PBS Only (Capture) 83372-5-PBS (240348C3). 100 µg. Concentration 1 mg/ml.

Detection antibody: MTHFR Recombinant antibody, PBS Only (Detector) 83372-4-PBS (240348H7). 100 µg. Concentration 1 mg/ml.

Alternative MTHFR matched antibody pairs: MP00372-2, MP00372-3

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.
Storage buffer:
PBS only

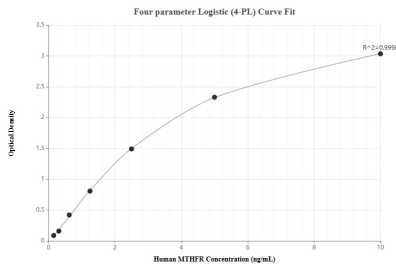
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

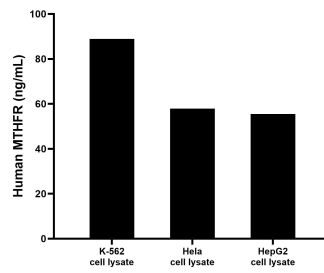
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

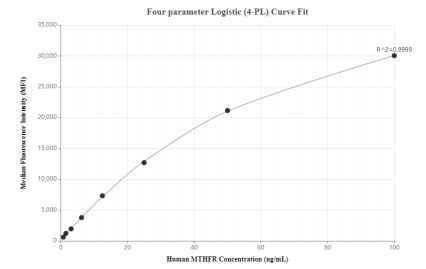
Selected Validation Data



Sandwich ELISA standard curve of MP00372-1, Human MTHFR Recombinant Matched Antibody Pair - PBS only. 83372-5-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag14970. 83372-4-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL



K-562, HeLa and HepG2 cell lysates were measured. The human MTHFR concentration of detected samples was determined to be 88.86 ng/mL (based on a 4.5 mg/mL extract load) in K-562 cell lysate, 57.89 ng/mL (based on a 3.2 mg/mL extract load) in HeLa cell lysate and 55.55 ng/mL (based on a 5 mg/mL extract load) in HepG2 cell lysate.



Cytometric bead array standard curve of MP00372-1, MTHFR Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83372-5-PBS. Detection antibody: 83372-4-PBS. Standard: Ag14970. Range: 0.78-100 ng/mL