

NPC2 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP03546-1**

Capture Antibody Information

Catalog Number:
86293-6-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
260807G5

Reactivity:
human

Immunogen Catalog Number:
Eg9493

Conjugate:
Unconjugated

Full name:
Niemann-Pick disease, type C2

Gene ID:
10577

Detection Antibody Information

Catalog Number:
86293-5-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
260807E12

Reactivity:
human

GenBank:
NM_006432.5

Immunogen Catalog Number:
Eg9493

Conjugate:
Unconjugated

Full name:
Niemann-Pick disease, type C2

Gene ID:
10577

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA

Range:
0.078-10 ng/mL (Cytometric Bead Array)
39.1-2500 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

MP03546-1 targets NPC2 in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: Niemann Pick C2 Recombinant monoclonal antibody, PBS Only (Capture) 86293-6-PBS (260807G5). 100 µg. Concentration 1 mg/mL.

Detection antibody: Niemann Pick C2 Recombinant monoclonal antibody, PBS Only (Detector) 86293-5-PBS (260807E12). 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.
Storage buffer:
PBS only

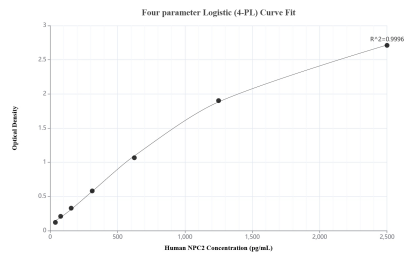
For technical support and original validation data for this product please contact:

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

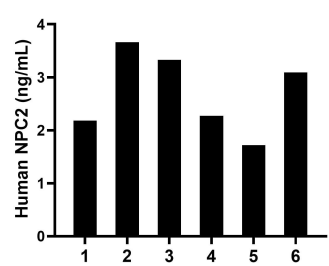
E: proteintech@ptglab.com
W: ptglab.com

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

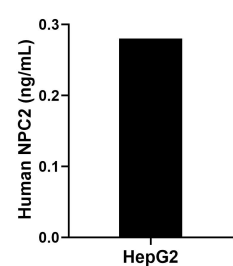
Selected Validation Data



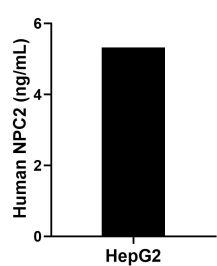
Sandwich ELISA standard curve of MP03546-1, Human NPC2 Recombinant Matched Antibody Pair - PBS only. 86293-6-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg9493. 86293-5-PBS was HRP conjugated as the detection antibody. Range: 39.1-2500 pg/mL



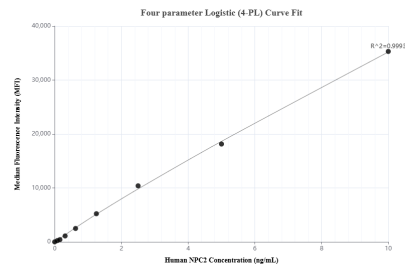
Serum of six individual healthy human donors was measured. The NPC2 concentration of detected samples was determined to be 2.7 ng/mL with a range of 1.7-3.7 ng/mL



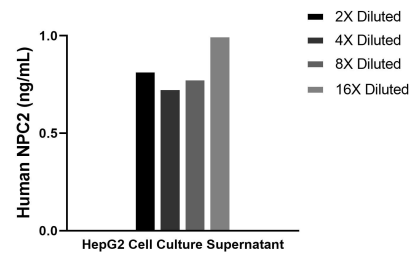
HepG2 were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100 ug/mL streptomycin sulfate. An aliquot of the cell culture supernate was removed, assayed for human NPC2, and measured 0.3 ng/mL



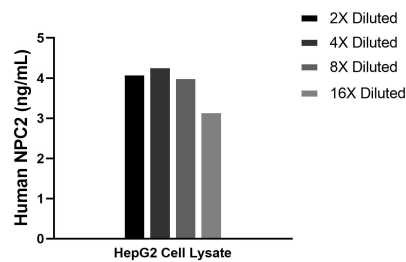
The mean NPC2 concentration was determined to be 5.3 ng/mL in HepG2 cell extract based on a 1.2 mg/mL extract load.



Cytometric bead array standard curve of MP03546-1, NPC2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 86293-6-PBS. Detection antibody: 86293-5-PBS. Standard: Eg9493. Range: 0.078-10 ng/mL



HepG2 were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100 ug/mL streptomycin sulfate. An aliquot of the cell culture supernatants was removed, assayed for human NPC2, and measured 0.8 ng/mL



The mean NPC2 concentration was determined to be 3.9 ng/mL in HepG2 cell extract based on a 1.2 mg/mL extract load.