

For Research Use Only



Niemann Pick C2 Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 86293-5-PBS

Basic Information

Catalog Number: 86293-5-PBS	GenBank Accession Number: NM_006432.5	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 10577	CloneNo.: 260807E12
Source: Rabbit	UNIPROT ID: P61916-1	
Isotype: IgG	Full Name: Niemann-Pick disease, type C2	
Immunogen Catalog Number: EG9493	Calculated MW: 17 kDa	

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA, Indirect ELISA

Species Specificity:
human

Product Information

86293-5-PBS targets Niemann Pick C2 as part of a matched antibody pair:

MP03546-1: 86293-6-PBS capture and 86293-5-PBS detection (validated in Cytometric bead array, Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) 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.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Storage

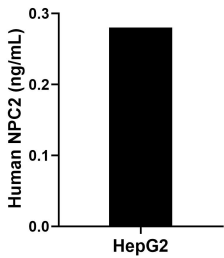
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

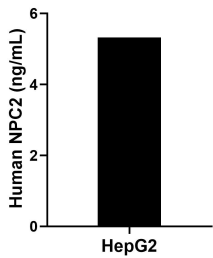
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

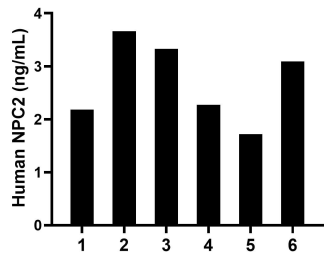
Selected Validation Data



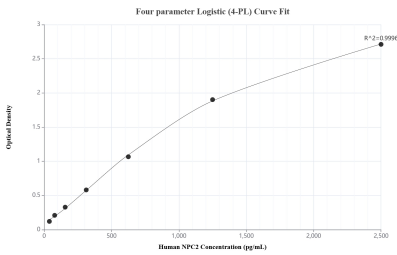
HepG2 were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100 ug/mL streptomycin sulfate. An aliquot of the cell culture supernate was removed, assayed for human NPC2, and measured 0.3 ng/mL.



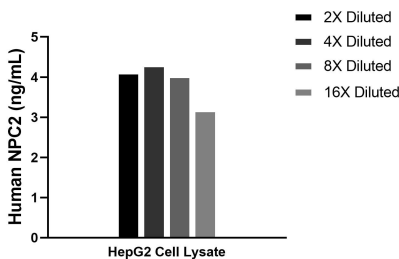
The mean NPC2 concentration was determined to be 5.3 ng/mL in HepG2 cell extract based on a 1.2 mg/mL extract load.



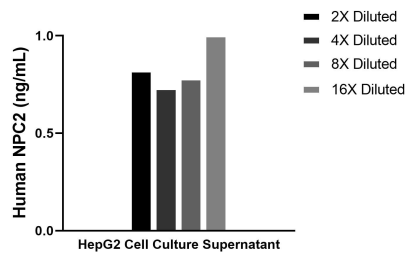
Serum of six individual healthy human donors was measured. The NPC2 concentration of detected samples was determined to be 2.7 ng/mL with a range of 1.7-3.7 ng/mL.



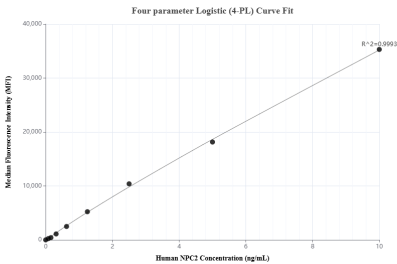
Sandwich ELISA standard curve of MP03546-1, Human NPC2 Recombinant Matched Antibody Pair - PBS only. 86293-6-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg9493. 86293-5-PBS was HRP conjugated as the detection antibody. Range: 39.1-2500 pg/mL.



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.



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.



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.