

Human Niemann Pick Disease Type C2 (NPC2) ELISA Kit | NPC2 elisa kit

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CATALOG #
AAA68104

REACTIVITY
Human

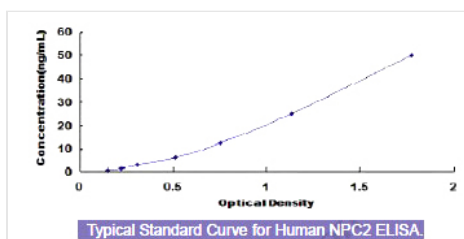
PRODUCT SYNONYMS

Niemann Pick Disease Type C2 (NPC2); Human Niemann Pick Disease Type C2 (NPC2) ELISA Kit; NPC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NPC2. No significant cross-reactivity or interference between NPC2 and analogues was observed.
Sequence Length	125
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.781-50ng/mL
Sensitivity	0.31ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NPC2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level NPC2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NPC2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of NPC2 in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to NPC2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NPC2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain NPC2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of NPC2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5453678
NCBI GeneID	10577
NCBI Accession #	NP_006423.1
NCBI GenBank Nucleotide #	NM_006432.3
UniProt Accession #	P61916; Q15668; Q29413; B4DQV7
Molecular Weight	13,416 Da
NCBI Official Full Name	epididymal secretory protein E1
NCBI Official Synonym Full Names	NPC intracellular cholesterol transporter 2
NCBI Official Symbol	NPC2
NCBI Official Synonym Symbols	HE1; EDDM1
NCBI Protein Information	epididymal secretory protein E1
UniProt Protein Name	Epididymal secretory protein E1
UniProt Gene Name	NPC2
UniProt Synonym Gene Names	HE1; He1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/niemann-pick-disease-type-c2-npc2/68104>