

Mouse Epididymal secretory protein E1 (NPC2) ELISA Kit | NPC2 elisa kit

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CATALOG #
AAA244591

REACTIVITY
Mouse

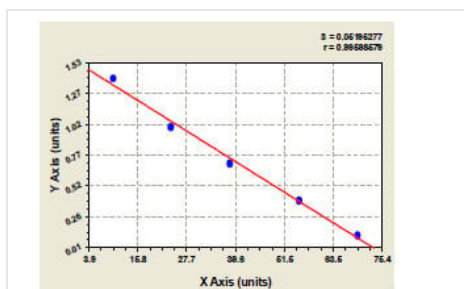
PRODUCT SYNONYMS

Epididymal secretory protein E1 (NPC2); Mouse Epididymal secretory protein E1 (NPC2) ELISA Kit; NPC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive (Quantitative)
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NPC2 elisa kit

Intended Uses: This NPC2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse NPC2. This ELISA kit for research use only!

Principle of the Assay: NPC2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-NPC2 antibody and an NPC2-HRP conjugate. The assay sample and buffer are incubated together with NPC2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the NPC2 concentration since NPC2 from samples and NPC2-HRP conjugate compete for the anti-NPC2 antibody binding site. Since the number of sites is limited, as more sites are occupied by NPC2 from the sample, fewer sites are left to bind NPC2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NPC2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #

5453678

NCBI GeneID	10577
NCBI Accession #	NP_006423.1
NCBI GenBank Nucleotide #	NM_006432.3
Molecular Weight	16,570 Da
NCBI Official Full Name	epididymal secretory protein E1
NCBI Official Synonym Full Names	Niemann-Pick disease, type C2
NCBI Official Symbol	NPC2
NCBI Official Synonym Symbols	HE1; EDDM1
NCBI Protein Information	epididymal secretory protein E1; epididymal protein 1; tissue-specific secretory protein; human epididymis-specific protein 1; Niemann-Pick disease type C2 protein
UniProt Protein Name	Epididymal secretory protein E1
UniProt Gene Name	NPC2
UniProt Synonym Gene Names	HE1; He1
UniProt Entry Name	NPC2_HUMAN

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://stage.aaabiotech.com/mouse-elisa-kits/epididymal-secretory-protein-e1-npc2/244591>