

Mouse Neuropeptide Y (NPY) ELISA Kit | NPY elisa kit

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CATALOG #
AAA67277

REACTIVITY
Mouse

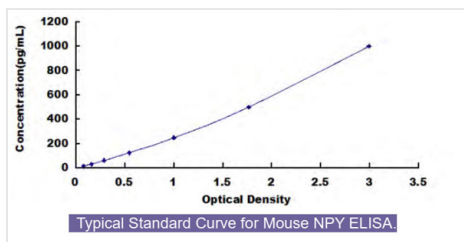
PRODUCT SYNONYMS

Neuropeptide Y (NPY); Mouse Neuropeptide Y (NPY) ELISA Kit; NP-Y; PYY4; CPON; Pro-neuropeptide Y; Neuropeptide tyrosine; C-flanking peptide of NPY; NPY elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of NPY. No significant cross-reactivity or interference between NPY and analogues was observed.
Sequence Length	97
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Detection Range	15.6-1000pg/mL
Sensitivity	< 4.4pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NPY 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 NPY 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 NPY elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to NPY. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NPY. 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 NPY, 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 NPY in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of NPY in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12963683
NCBI GeneID	109648
NCBI Accession #	NP_075945.1
NCBI GenBank Nucleotide #	NM_023456.3
UniProt Accession #	P57774; Q925V2; Q9ET27
Molecular Weight	10,874 Da
NCBI Official Full Name	pro-neuropeptide Y preproprotein
NCBI Official Synonym Full Names	neuropeptide Y
NCBI Official Symbol	Npy
NCBI Official Synonym Symbols	0710005A05Rik
NCBI Protein Information	pro-neuropeptide Y
UniProt Protein Name	Pro-neuropeptide Y
UniProt Gene Name	Npy
UniProt Synonym Gene Names	NPY; CPON

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/neuropeptide-y-npy/67277>