

Bovine neuropeptide Y ELISA Kit | NPY elisa kit

Bovine neuropeptide Y, NPY ELISA Kit

CATALOG #
AAA80273

REACTIVITY
Bovine

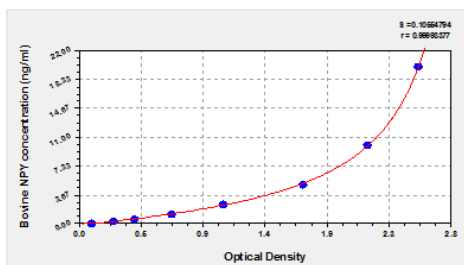
PRODUCT SYNONYMS

neuropeptide Y; Bovine neuropeptide Y; NPY ELISA Kit; Bovine neuropeptide Y (NPY) ELISA kit; PYY4; OTTHUMP00000201946; OTTHUMP00000201947; NPY elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of Bovine NPY. No significant cross-reactivity or interference between Bovine NPY and analogues was observed.
Sequence Length	97
Samples	Serum, plasma
Assay Type	Sandwich
Detection Range	0.312 ng/ml-20 ng/ml
Sensitivity	0.078 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NPY elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for NID has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any NID present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NID is The microtiter plate provided in this kit has been pre-coated with an antibody specific to NP-Y. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for NP-Y and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain NP-Y, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of NP-Y in the samples is then determined by comparing the O.D. of the samples to the standard curve.added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of NID bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62460382
NCBI GeneID	504216
NCBI Accession #	NP_001014845.1
NCBI GenBank Nucleotide #	NM_001014845.3
UniProt Accession #	Q6RUW3; A2VDW2
Molecular Weight	10,764 Da
NCBI Official Full Name	pro-neuropeptide Y
NCBI Official Synonym Full Names	neuropeptide Y<
NCBI Official Symbol	NPY
NCBI Protein Information	pro-neuropeptide Y
UniProt Protein Name	Pro-neuropeptide Y
UniProt Gene Name	NPY
UniProt Synonym Gene Names	NPY; CPON
UniProt Entry Name	NPY_BOVIN

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.