

Bovine Neuropeptide Y ELISA Kit | NP-Y elisa kit

Bovine Neuropeptide Y ELISA Kit

CATALOG #
AAA88819

REACTIVITY
Bovine

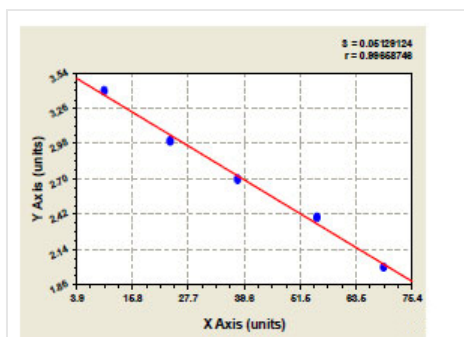
PRODUCT SYNONYMS

Neuropeptide Y; Bovine Neuropeptide Y ELISA Kit; NP-Y elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive (Quantitative)
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NP-Y elisa kit

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

Principle of the Assay: NPY ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-NPY antibody and an NPY-HRP conjugate. The assay sample and buffer are incubated together with NPY-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 NPY concentration since NPY from samples and NPY-HRP conjugate compete for the anti-NPY antibody binding site. Since the number of sites is limited, as more sites are occupied by NPY from the sample, fewer sites are left to bind NPY-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NPY concentration in each sample is interpolated from this standard curve.

Product Categories/Family for NP-Y elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	189274
NCBI GeneID	4852
Molecular Weight	10,851 Da
NCBI Official Full Name	neuropeptide Y
NCBI Official Synonym Full Names	neuropeptide Y
NCBI Official Symbol	NPY
NCBI Official Synonym Symbols	PYY4
NCBI Protein Information	pro-neuropeptide Y; prepro-neuropeptide Y
UniProt Protein Name	Pro-neuropeptide Y
UniProt Gene Name	NPY
UniProt Synonym Gene Names	NPY; CPON
UniProt Entry Name	NPY_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/np-y-bovine-ovine-elisa-kits/neuropeptide-y/88819>