

Canine Neuropeptide Y ELISA Kit | NP-Y elisa kit

Canine Neuropeptide Y ELISA Kit

CATALOG #
AAA88100

REACTIVITY
Canine

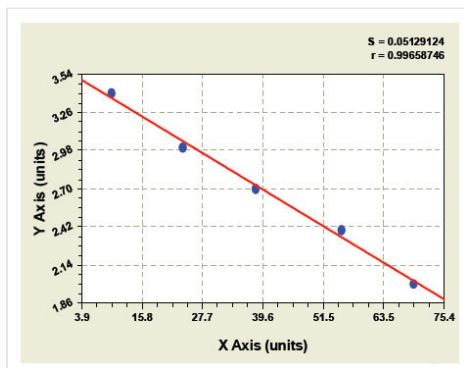
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This NP-Y ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine NP-Y. This ELISA kit for research use only, not for therapeutic applications!
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

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

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.