

Rat NT-Pro-ANP ELISA Kit | NT-pro-ANP elisa kit

Rat NT-Pro-ANP (N-Terminal Pro-Atrial Natriuretic Peptide) ELISA Kit

CATALOG #
AAA164002

REACTIVITY
Rat

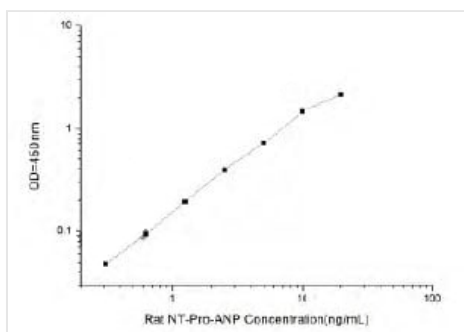
PRODUCT SYNONYMS

NT-Pro-ANP; Rat NT-Pro-ANP (N-Terminal Pro-Atrial Natriuretic Peptide) ELISA Kit; NT-pro-ANP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat NSE in samples. No significant cross-reactivity or interference between Rat NSE and analogues was observed.
Sequence Length	134
Samples	Serum, Plasma And Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	0.31-20ng/mL
Sensitivity	0.19ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, midrange and high level Rat NSE were tested 20times on one plate, respectively
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, midrange and high level Rat NSE were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NT-pro-ANP elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat NSE concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat NSE. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat NSE and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat NSE, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat NSE. You can calculate the concentration of Rat NSE in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505433
NCBI GeneID	4879
NCBI Accession #	NP_002512.1
NCBI GenBank Nucleotide #	NM_002521.2
UniProt Accession #	P16860; Q6FGY0; Q9P2Q7; B0ZBE9
Molecular Weight	14,726 Da
NCBI Official Full Name	natriuretic peptides B preproprotein
NCBI Official Synonym Full Names	natriuretic peptide B
NCBI Official Symbol	NPPB
NCBI Official Synonym Symbols	BNP
NCBI Protein Information	natriuretic peptides B; brain type natriuretic peptide; gamma-brain natriuretic peptide; natriuretic peptide precursor B; natriuretic protein
UniProt Protein Name	Natriuretic peptides B
UniProt Gene Name	NPPB
UniProt Synonym Gene Names	BNP(1-32); BNP-32
UniProt Entry Name	ANFB_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.