

Rat NT-4 ELISA Kit | NT-4 elisa kit

Rat NT-4 (Neurotrophin 4) ELISA Kit

CATALOG #
AAA165130

REACTIVITY
Rat

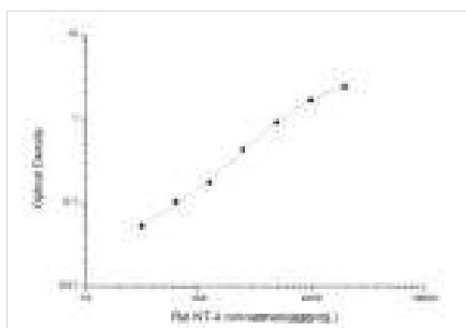
PRODUCT SYNONYMS

NT-4; Rat NT-4 (Neurotrophin 4) ELISA Kit; NT-4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat NT-4 in samples. No significant cross-reactivity or interference between Rat NT-4 and analogues was observed
Sequence Length	210
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	31.25-2000 pg/mL
Sensitivity	18.75 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat NT-4 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat NT-4 were tested on 3 different plates, 20 replicates in each plate, respectively.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NT-4 elisa kit	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 NT-4. Samples (or Standards) are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat NT-4 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 NT-4, 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 ± 2 nm. The OD value is proportional to the concentration of Rat NT-4. You can calculate the concentration of Rat NT-4 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat NT-4 concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5453808
NCBI GeneID	4909
NCBI Accession #	NP_006170.1
NCBI GenBank Nucleotide #	NM_006179.4
UniProt Accession #	P34130; Q6FH56; AAB20549
Molecular Weight	22,427 Da
NCBI Official Full Name	neurotrophin-4 preproprotein
NCBI Official Synonym Full Names	neurotrophin 4
NCBI Official Symbol	NTF4
NCBI Official Synonym Symbols	NT4; NT5; NT-4; NT-5; NTF5; GLC10; GLC10; NT-4/5
NCBI Protein Information	neurotrophin-4; neurotrophic factor 4; neurotrophic factor 5; neurotrophin 5 (neurotrophin 4/5); neurotrophin-5; neutrophic factor 4
UniProt Protein Name	Neurotrophin-4
UniProt Gene Name	NTF4
UniProt Synonym Gene Names	NTF5; NT-4; NT-5
UniProt Entry Name	NTF4_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.