

Rat Neurotrophin-3 ELISA Kit | NT-3 elisa kit

Rat Neurotrophin-3 ELISA Kit

CATALOG #
AAA84786

REACTIVITY
Rat

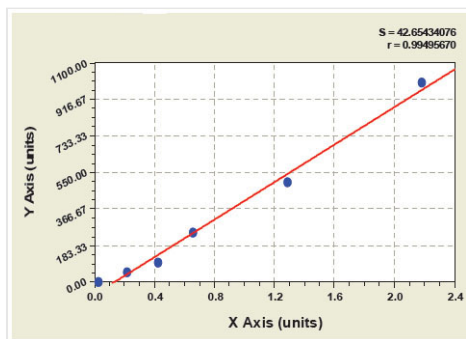
PRODUCT SYNONYMS

Neurotrophin-3; Rat Neurotrophin-3 ELISA Kit; NT-3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/ml
Intended Uses	This NT-3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat NT-3. 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 NT-3 elisa kit

Principle of the Assay: NT-3 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for NT-3. Standards or samples are then added to the microtiter plate wells and NT-3 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of NT-3 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for NT-3 are added to each well to "sandwich" the NT-3 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain NT-3 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NT-3 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505469
NCBI GeneID	4908
NCBI Accession #	NP_002518.1
NCBI GenBank Nucleotide #	NM_002527.4
Molecular Weight	30,800 Da
NCBI Official Full Name	neurotrophin-3 isoform 2 preproprotein
NCBI Official Synonym Full Names	neurotrophin 3
NCBI Official Symbol	NTF3
NCBI Official Synonym Symbols	NT3; HDNF; NGF2; NT-3; NGF-2
NCBI Protein Information	neurotrophin-3; neurotrophic factor; nerve growth factor 2
UniProt Protein Name	Neurotrophin-3
UniProt Gene Name	NTF3
UniProt Synonym Gene Names	NT-3; NGF-2
UniProt Entry Name	NTF3_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.