

Human Neurotrophin 3 ELISA Kit | NT 3 elisa kit

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CATALOG #
AAA85587

REACTIVITY
Human

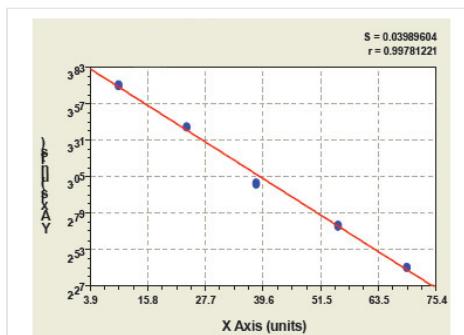
PRODUCT SYNONYMS

Neurotrophin 3; Human Neurotrophin 3 ELISA Kit; NT 3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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 NT-3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human 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 competitive enzyme immunoassay technique utilizing a monoclonal anti-NT-3 antibody and an NT-3-HRP conjugate. The assay sample and buffer are incubated together with NT-3-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 NT-3 concentration since NT-3 from samples and NT-3-HRP conjugate compete for the anti-NT-3 antibody binding site. Since the number of sites is limited, as more sites are occupied by NT-3 from the sample, fewer sites are left to bind NT-3-HRP conjugate. 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.