

Mouse Neurotrophin 4 ELISA Kit | NT4 elisa kit

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CATALOG #
AAA88948

REACTIVITY
Mouse

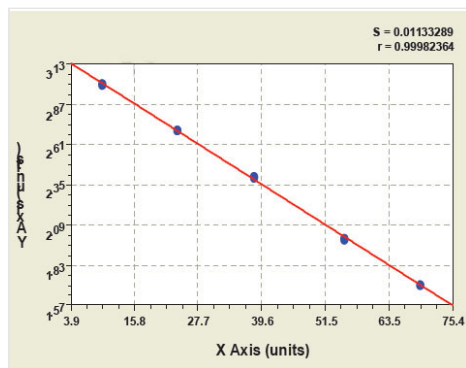
PRODUCT SYNONYMS

Neurotrophin 4; Mouse Neurotrophin 4 ELISA Kit; NT4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This NT4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of mouse NT4. 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 NT4 elisa kit

Principle of the Assay: NT4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-NT4 antibody and an NT4-HRP conjugate. The assay sample and buffer are incubated together with NT4-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 NT4 concentration since NT4 from samples and NT4-HRP conjugate compete for the anti-NT4 antibody binding site. Since the number of sites is limited, as more sites are occupied by NT4 from the sample, fewer sites are left to bind NT4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NT4 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453808
NCBI GeneID	4909
NCBI Accession #	NP_006170.1
NCBI GenBank Nucleotide #	NM_006179.4
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; neurotrophin-5; neutrophic factor 4; neurotrophic factor 4; neurotrophic factor 5; neurotrophin 5 (neurotrophin 4/5)
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.