

Bovine Neurotrophin-4 ELISA Kit | NT-4 elisa kit

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CATALOG #
AAA91094

REACTIVITY
Bovine

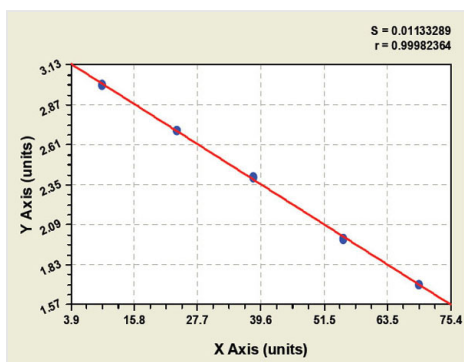
PRODUCT SYNONYMS

Neurotrophin-4; Bovine Neurotrophin-4 ELISA Kit; NT-4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This NT-4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine NT-4. 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-4 elisa kit

Principle of the Assay: NT-4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-NT-4 antibody and an NT-4-HRP conjugate. The assay sample and buffer are incubated together with NT-4-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-4 concentration since NT-4 from samples and NT-4-HRP conjugate compete for the anti-NT-4 antibody binding site. Since the number of sites is limited, as more sites are occupied by NT-4 from the sample, fewer sites are left to bind NT-4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NT-4 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for NT-4 elisa kit

Neurobiology

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; GLC1O; 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.

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Online datasheet: <https://stage.aaabiotech.com/nt-4-bovine-ovine-elisa-kits/neurotrophin-4/91094>