

## Sheep Neurotrophin-4 ELISA Kit | NT-4 elisa kit

Sheep Neurotrophin-4 ELISA Kit

CATALOG #  
**AAA93060**

REACTIVITY  
**Sheep**

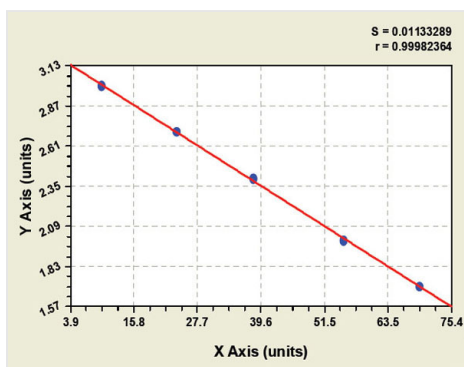
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Sheep                                                                                                                                                                                  |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                             |
| Assay Type              | Competitive                                                                                                                                                                            |
| Sensitivity             | 1.0 pg/mL.                                                                                                                                                                             |
| Intended Uses           | This NT-4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep 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; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/nt-4-sheep-elisa-kits/neurotrophin-4/93060>