

## Human NT3 ELISA Kit (2 plates)

**Catalogue No.:** BEK-2078-2P  
**Description:** Try our new NT3 Rapid ELISA kit for Human, Rat and Mouse (BEK-2221-2P). Same specificity and sensitivity, but faster!

The human NT3 Kit is a sandwich ELISA. The capture antibody is a monoclonal anti-NT3 antibody pre-coated onto the 96-well strip plates provided in the kit. Human test samples and standards of known NT3 concentration are added to these wells and allowed to complex with the bound NT3 antibody. A biotinylated NT3 polyclonal antibody is then added. This detection antibody binds to the antigen thus completing the sandwich. After washing, an enzyme Avidin-Biotin-Peroxidase complex (ABC) is added which binds to the second antibody. The peroxidase substrate TMB is added to induce a coloured reaction product. The intensity of this coloured product is directly proportional to the concentration of NT3 present in the samples. The purpose of this kit is the in-vitro quantitative determination of human NT3 in samples such as sera, plasma, tissue lysates and cell culture supernates. This kit has been configured for research use only and is not to be used in diagnostic or clinical procedures.

**Batch No.:** See product labels

**Antigen:** NT3 is a member of the neurotrophin family, that controls survival and differentiation of visceral and proprioceptive sensory neurons. NT3 is closely related to both NGF and BDNF. It may be involved in the maintenance of the adult nervous system, and may affect development of neurons in the embryo when it is expressed in human placenta. NT3-deficient mice generated by gene targeting display severe movement defects of the limbs. The mature peptide of this protein is identical in all mammals examined including human, pig, rat and mouse. SUBCELLULAR LOCATION: Secreted protein. TISSUE SPECIFICITY: Brain and peripheral tissues. SIMILARITY: Belongs to the NGF-beta family.

**Other Names:** NT-3; NTF3; Neurotrophin-3; HDNF; Nerve growth factor 2; NGF-2;

**Accession:** P20783 NTF3\_HUMAN;

**Specificity:** Human; Mouse; Rat;

**Cross-reactivity:** Less than 2.5% cross reactivity with NT-4. No detectable cross-reactivity with any other cytokines.

**Storage:** Store at 2-8C

**Kit components:** The ELISA kit box contains 2 x 96-well pre-coated strip plates, protein standards, detection reagents, substrate buffer and detailed protocols.

**Range:** 15.6 pg/mL - 1,000 pg/mL

**Sensitivity:** < 2 pg/ml

**Kit protocol:** Please refer to our online product listing for current protocol/MSDS versions.

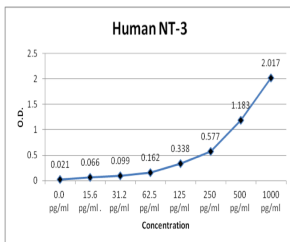
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Concentration pg/ml	0.0 pg/ml	15.6 pg/ml	31.2 pg/ml	62.5 pg/ml	125 pg/ml	250 pg/ml	500 pg/ml	1000 pg/ml
O.D.	0.021	0.066	0.099	0.162	0.338	0.826	0.577	2.017

This standard curve is for demonstration purposes only. A standard curve should be generated for each assay.



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