



## Rat Neurotrophin-3/NT-3/Nerve growth factor 2/NGF-2 ELISA Kit (2 plates)

**Catalogue No.:** BEK-2080-2P

**Description:** The Biosensis rat neurotrophin 3 (NT-3) ELISA Kit is based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody specific for rat NT-3 has been pre-coated onto 96-well plates. Standards and test samples are added to the wells, and then a biotinylated detection polyclonal antibody specific for mouse NT-3 is added subsequently followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex is added and unbound conjugates washed away again with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP driven enzymatic reaction. TMB is catalyzed by HRP to produce a blue color product that is changed into yellow by the addition of an acid stop solution. The intensity of this colored product is directly proportional to the concentration of NT-3 present in the samples. The purpose of this kit is the in-vitro quantitative determination of mouse NT-3 in cell culture supernatants, and serum samples only when used as directed. 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:** The antigen and standard in this rat NT-3 ELISA is expressed and purified from an insect cell expression sf21 system and consists of a recombinant protein containing amino acids 139-257 of rat NT-3.

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

**Accession:** P18280 NTF3\_RAT;

**Specificity:** Human; Mouse; and Rat. Less than 2.5% reactivity with NT-4 and no detectable cross-reactivity with other cytokines.

**Storage:** Store at 4°C

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

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

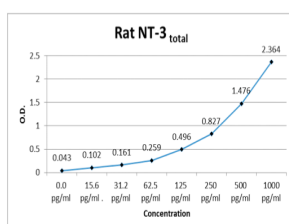
**Sensitivity:** < 2 pg/ml

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

IX: Typical Standard Curve (for reference only, not to be used for actual data)

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.	0.043	0.102	0.161	0.259	0.496	0.827	1.476	2.364

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



FOR RESEARCH USE ONLY