

## ARG81665 Rat Neurotrophin 3 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81665-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81665-002	Standard	2 X 10 ng/vial	4°C
ARG81665-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81665-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81665-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81665-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81665-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81665-008	25X Wash buffer	20 ml	4°C
ARG81665-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81665-010	STOP solution	10 ml (Ready to use)	4°C
ARG81665-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81665 Rat Neurotrophin 3 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat Neurotrophin 3 in serum and cell culture supernatants.
Tested Reactivity	Rat
Predict Reactivity	Bov, Chk, Dog, Hrs, Mk, Rb
Tested Application	ELISA
Specificity	There is cross-reactivity with NT-4 < 2.5%, and no detectable cross-reactivity with any other cytokine.
Target Name	Neurotrophin 3
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml

Sample Volume	100 $\mu$ l
Precision	Intra-Assay CV: 5.9%; Inter-Assay CV: 7.3%
Alternate Names	Nerve growth factor 2; NT3; HDNF; Neurotrophic factor; Neurotrophin-3; NT-3; NGF2; NGF-2

## Application Instructions

Assay Time ~ 5 hours

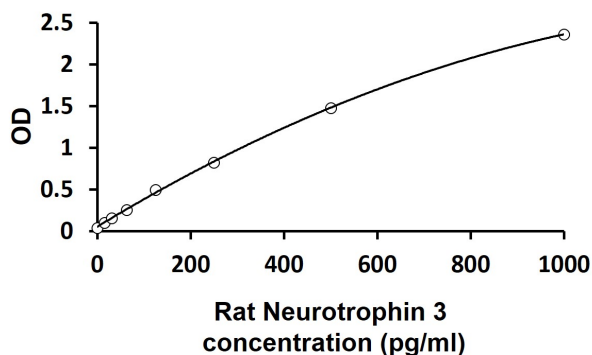
## Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	NTF3
Gene Full Name	neurotrophin 3
Background	The protein encoded by this gene is a member of the neurotrophin family, that controls survival and differentiation of mammalian neurons. This protein is closely related to both nerve growth factor and brain-derived neurotrophic factor. 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. NTF3-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. [provided by RefSeq, Jul 2008]
Function	Seems to promote the survival of visceral and proprioceptive sensory neurons. [UniProt]
Highlight	Related products: <a href="#">Neurotrophin antibodies</a> ; <a href="#">Neurotrophin ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>

## Images



ARG81665 Rat Neurotrophin 3 ELISA Kit standard curve image

ARG81665 Rat Neurotrophin 3 ELISA Kit results of a typical standard run with optical density reading at 450 nm.