

ARG82703 Rat TrkC ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82703-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82703-002	Standard	2 X 10 ng/vial	4°C
ARG82703-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82703-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82703-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82703-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82703-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82703-008	25X Wash buffer	20 ml	4°C
ARG82703-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82703-010	STOP solution	10 ml (Ready to use)	4°C
ARG82703-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82703 Rat TrkC ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat TrkC in cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Target Name	TrkC
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.2% Inter-Assay CV: 6%

Alternate Names TRKC; Neurotrophic tyrosine kinase receptor type 3; Trk-C; TrkC tyrosine kinase; NT-3 growth factor receptor; GP145-TrkC; EC 2.7.10.1; gp145(trkC)

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 NTRK3

Gene Full Name neurotrophic tyrosine kinase, receptor, type 3

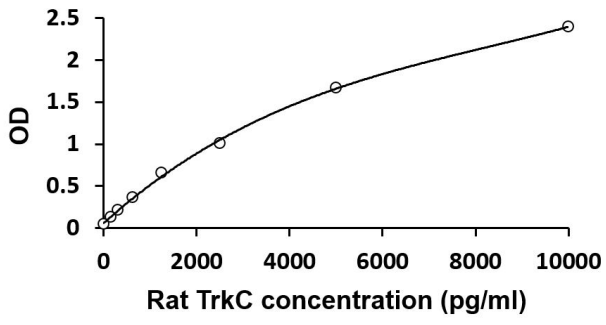
Background This gene encodes a member of the neurotrophic tyrosine receptor kinase (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. Signalling through this kinase leads to cell differentiation and may play a role in the development of proprioceptive neurons that sense body position. Mutations in this gene have been associated with medulloblastomas, secretory breast carcinomas and other cancers. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2011]

Function Receptor for neurotrophin-3 (NT-3). This is a tyrosine-protein kinase receptor. Known substrates for the trk receptors are SHC1, PI-3 kinase, and PLCG1. The different isoforms do not have identical signaling properties. [UniProt]

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New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

PTM Ligand-mediated auto-phosphorylation. [UniProt]

Cellular Localization Membrane; Single-pass type I membrane protein. [UniProt]



ARG82703 Rat TrkC ELISA Kit standard curve image

ARG82703 Rat TrkC ELISA Kit results of a typical standard run with optical density reading at 450 nm.