

Rat TRKC ELISA Kit | TRKC elisa kit

Rat TRKC PicoKine ELISA Kit

CATALOG #
AAA125005

REACTIVITY
Rat

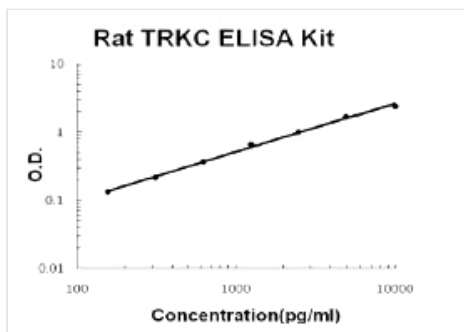
PRODUCT SYNONYMS

TRKC; Rat TRKC PicoKine ELISA Kit; Rat TRKC; TRKC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant Rat Ntrk2
Sequence Length	839
Samples	Cell Culture Supernates And Cell Lysates
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TRKC elisa kit	Principle of the Assay: The Picokine Rat Ntrk2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat Ntrk2 with a 96-well strip plate that is pre-coated with antibody specific for Ntrk2. The detection antibody is a biotinylated antibody specific for Ntrk2. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Rat Ntrk2 with immunogen: Expression system for standard: NSO, Immunogen sequence: C32-H429. The kit is analytically validated with ready to use reagents. To measure Rat Ntrk2, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Rat Ntrk2 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Rat Ntrk2 in the sample!!Background/Introduction: TrkB receptor also known as TrkB tyrosine kinase or BDNF/NT-3 growth factors receptor or neurotrophic tyrosine kinase, receptor, type 2 is a protein that in humans is encoded by the NTRK2 gene. TrkB is the high affinity catalytic receptor for several "neurotrophins", which are small protein growth factors that induce the survival and differentiation of distinct cell populations. The TrkB receptor is part of the large family of receptor tyrosine kinases. A "tyrosine kinase" is an enzyme which is capable of adding a phosphate group to certain tyrosines on target proteins, or "substrates".Soppet et al. demonstrated that the gp145 gene product of the TRKB gene is rapidly phosphorylated on tyrosine residues upon exposure to BDNF and NTF3.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	3336860
NCBI GeneID	4916
UniProt Accession #	Q16288
NCBI Official Full Name	TRKC
NCBI Official Synonym Full Names	neurotrophic receptor tyrosine kinase 3
NCBI Official Symbol	NTRK3
NCBI Official Synonym Symbols	TRKC; GP145-TrkC; gp145(trkC)
NCBI Protein Information	NT-3 growth factor receptor

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.