

Mouse TRKC ELISA Kit | TRKC elisa kit

Mouse TRKC PicoKine ELISA Kit

CATALOG #
AAA125004

REACTIVITY
Mouse

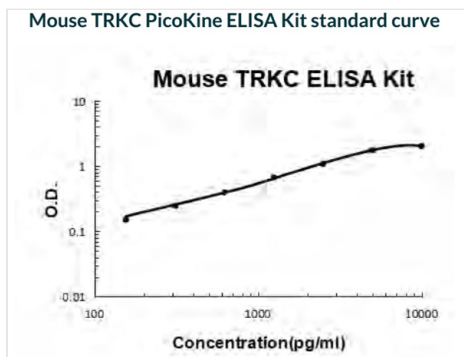
PRODUCT SYNONYMS

TRKC; Mouse TRKC PicoKine ELISA Kit; Mouse TRKC; TRKC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Ntrk3
Sequence Length	839
Samples	Cell culture supernatants and cell lysates
Detection Range	156 pg/ml - 10,000 pg/ml
Sensitivity	<10 pg/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 across 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	Background: NTRK3 (Neurotrophic Tyrosine Kinase Receptor Type 3), also known as TRKC, is a protein that in humans is encoded by the NTRK3 gene. By PCR analysis of a somatic cell hybrid panel and by fluorescence in situ hybridization with the cDNA clone, it mapped the NTRK3 gene to 15q24-q25. TRKC, a member of the TRK family of tyrosine protein kinase genes. They found that TRKC is preferentially expressed in the brain; in situ hybridization studies showed transcripts in the hippocampus, cerebral cortex, and the granular cell layer of the cerebellum. By functional studies in HeLa cells, 5 miRNAs regulate the truncated form of NTRK3. Principle of the Assay: The Picokine™ Mouse Ntrk3 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Mouse Ntrk3 with a 96-well strip plate that is pre-coated with antibody specific for Ntrk3. The detection antibody is a biotinylated antibody specific for Ntrk3. The capture antibody is a monoclonal antibody from rat and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Mouse Ntrk3 protein as standards. To measure Mouse Ntrk3, 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 unbound ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Mouse Ntrk3 in the sample. Read the absorbance 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 Mouse Ntrk3 in the sample.
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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.