

Rat TRK A ELISA Kit | NTRK1 elisa kit

Rat TRK A ELISA Kit

CATALOG # AAA105770	REACTIVITY Rat	APPLICATIONS ELISA
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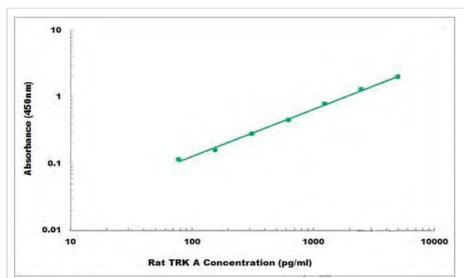
PRODUCT SYNONYMS

TRK A; Rat TRK A ELISA Kit; MTC; TRK; TRKA; High affinity nerve growth factor receptor; Neurotrophic tyrosine kinase receptor type 1; TRK1-transforming tyrosine kinase protein; Tropomyosin-related kinase A; Tyrosine kinase receptor; Tyrosine kinase receptor A; Trk-A; gp140trk; p140-TrkA; NTRK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat TRK A ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat TRK A proteins within the range of 78 pg/ml - 5000 pg/ml.
Sequence Length	799
Samples	Culture Supernatants, Cell Lysates, Tissue Homogenates
Sensitivity	< 40 pg/ml
Applicable Applications for NTRK1 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NTRK1 elisa kit	Background: Tropomyosin receptor kinase A (TrkA) are efficacious in attenuating skeletal pain. TrkA mutants were able to activate signaling cascades and were even more efficient in promoting neurite outgrowth than the wild-type receptor. TrkA is part of a sub-family of protein kinases which includes TrkB and TrkC. Also, there are other neurotrophic factors structurally related to NGF: BDNF (for Brain-Derived Neurotrophic Factor), NT-3 (for Neurotrophin-3) and NT-4 (for Neurotrophin-4). While TrkA mediates the effects of NGF, TrkB is bound and activated by BDNF, NT-4, and NT-3. Further, TrkC binds and is activated by NT-3. TrkA receptor was found in kehumanocnus-affected corneas, along with an increased level of repressor isoform of Sp3 transcription factor. Principle of the Assay: The Rat TRK A ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat TRK A in Cell Culture Supernatants, Cell Lysates, Tissue Homogenates. This assay employs an antibody specific for Rat TRK A coated on a 96-well plate. Standards and samples are pipetted into the wells and TRK A present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat TRK A antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of TRK A bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11024666
NCBI GeneID	59109
NCBI Accession #	NP_067600.1
NCBI GenBank Nucleotide #	NM_021589.1
UniProt Accession #	P35739
Molecular Weight	87,252 Da
NCBI Official Full Name	high affinity nerve growth factor receptor
NCBI Official Synonym Full Names	neurotrophic tyrosine kinase, receptor, type 1
NCBI Official Symbol	Ntrk1
NCBI Official Synonym Symbols	Trk
NCBI Protein Information	high affinity nerve growth factor receptor; trk; trk-A; p140-TrkA; TrkA neurotrophin receptor; trkA proto-oncogene receptor; tropomyosin-related kinase A; slow nerve growth factor receptor
UniProt Protein Name	High affinity nerve growth factor receptor
UniProt Gene Name	Ntrk1
UniProt Synonym Gene Names	Trk; Trka; Trk-A
UniProt Entry Name	NTRK1_RAT

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.