

Mouse TrkB ELISA Kit | NTRK2 elisa kit

Mouse TrkB PicoKine ELISA Kit

CATALOG #
AAA45340

REACTIVITY
Mouse

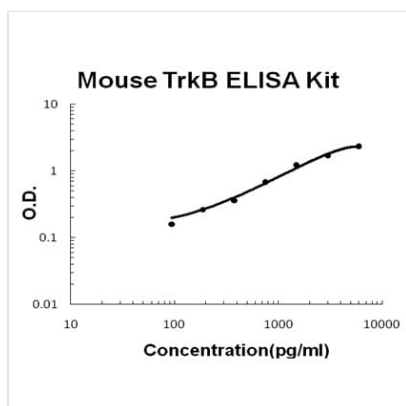
PRODUCT SYNONYMS

TrkB; Mouse TrkB PicoKine ELISA Kit; BDNF/NT-3 growth factors receptor; neurotrophic tyrosine kinase; receptor; type 2; BDNF tropomyosine receptor kinase B; GP145-TrkB; Neurotrophic tyrosine kinase receptor type 2; Ntrk2; NTRK2_HUMAN; Trk-B; TRKB; TrkB tyrosine kinase; Tyrosine kinase receptor B; NTRK2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse TrkB
Sequence Length	821
Samples	Cell culture supernates, Cell lysates and tissue homogenates
Assay Type	Sandwich
Detection Range	93.8pg/ml-6000pg/ml
Sensitivity	< 5pg/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 between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse TrkB PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for NTRK2 elisa kit	Principle of the assay: mouse TrkB ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for TrkB has been precoated onto 96-well plates. Standards and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TrkB is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse TrkB amount of sample captured in plate. Background: 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.[1] TrkB is the high affinitycatalytic 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. [2]demonstrated that the gp145 gene product of the TRKB gene is rapidly phosphorylated on tyrosine residues upon exposure to BDNF and NTF3. The standard product used in this kit is recombinant TrkB, a 49.5KDa glycoprotein, C32—H439.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	136237
NCBI GeneID	18212
UniProt Accession #	P15209; Q3TUF9; Q80WU0; Q91XJ9
Molecular Weight	83,744 Da
NCBI Official Full Name	BDNF/NT-3 growth factors receptor
NCBI Official Synonym Full Names	neurotrophic tyrosine kinase, receptor, type 2
NCBI Official Symbol	Ntrk2
NCBI Official Synonym Symbols	Tkrb; trkB; trk-B; GP145-TrkB/GP95-TrkB
NCBI Protein Information	BDNF/NT-3 growth factors receptor; trkB tyrosine kinase; neurotrophic tyrosine receptor kinase type 2
UniProt Protein Name	BDNF/NT-3 growth factors receptor
UniProt Gene Name	Ntrk2
UniProt Synonym Gene Names	Tkrb; Trk-B
UniProt Entry Name	NTRK2_MOUSE

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.

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Online datasheet: <https://stage.aaabiotech.com/ntrk2-mouse-elisa-kits/trkb/45340>