

Mouse TRKB ELISA Kit | TRKB elisa kit

TRKB Mouse ELISA Kit

CATALOG # AAA58867	REACTIVITY Mouse	APPLICATIONS ELISA
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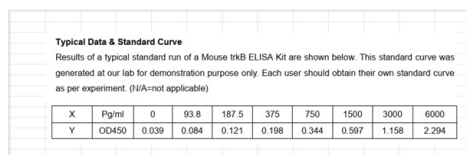
PRODUCT SYNONYMS

TRKB; TRKB Mouse ELISA Kit; Mouse TRKB; TRKB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Assay Type	Sandwich
Samples	Tissue lysates or cell culture supernates. The significance of detection in serum, body fluids is undetermined
Detection Range	93.8 pg/ml-6,000 pg/ml
Sensitivity	< 5 pg/ml
Applicable Applications for TRKB elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TRKB elisa kit

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. The TrkB receptor is part of the large family of receptor tyrosine kinases, it is located at the cellular membrane, and is activated by binding of a ligand to the receptor's extracellular domain. 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.

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-TrkB polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-TrkB polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 TrkB amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of TrkB can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	913718
NCBI GeneID	4915
UniProt Accession #	Q16620; Q16675; Q59GJ1; Q8WXJ5; Q8WXJ6; Q8WXJ7; B1ANZ4; B4DFV9
Molecular Weight	91,999 Da
NCBI Official Full Name	trkB
NCBI Official Synonym Full Names	neurotrophic tyrosine kinase, receptor, type 2
NCBI Official Symbol	NTRK2
NCBI Official Synonym Symbols	TRKB; trk-B; GP145-TrkB
NCBI Protein Information	BDNF/NT-3 growth factors receptor; trkB tyrosine kinase; tyrosine kinase receptor B; tropomyosin-related kinase B; BDNF-tropomyosine receptor kinase B
UniProt Protein Name	BDNF/NT-3 growth factors receptor
UniProt Gene Name	NTRK2
UniProt Synonym Gene Names	TRKB; Trk-B
UniProt Entry Name	NTRK2_HUMAN

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/mouse-elisa-kits/trkb/58867>