

Mouse TrkB ELISA Kit (2 plates)

Catalogue No.:	BEK-2178-2P
Description:	The mouse TrkB Kit is a sandwich ELISA. The capture antibody is a monoclonal rat TrkB antibody pre-coated onto the 96-well strip plates provided in the kit. Mouse test samples and standards of known TrkB concentration are added to these wells and allowed to complex with the bound TrkB antibody. A biotinylated goat TrkB polyclonal antibody is then added. This detection antibody binds to the antigen thus completing the sandwich. After washing, an enzyme Avidin-Biotin-Peroxidase complex (ABC) is added which binds to the second antibody. The peroxidase substrate TMB is added to induce a coloured reaction product. The intensity of this coloured product is directly proportional to the concentration of TrkB present in the samples. The purpose of this kit is the in-vitro quantitative determination of mouse TrkB in samples such as cell lysates, cell culture supernates serum and plasma (heparin, EDTA). This kit has been configured for research use only and is not to be used in diagnostic or clinical procedures.
Batch No.:	See product labels
Other Names:	Tropomyosin-related kinase receptor; BDNF/NT-3 growth factors receptor; Neurotrophic tyrosine kinase receptor type 2; TrkB tyrosine kinase; GP145-TrkB; Trk-B; TrkB; NTRK2; TRKB
Accession:	P15209 NTRK2_MOUSE;
Storage:	Store at 2-8C
Specific References:	<p>Maejima H, Ninuma S, Okuda A, Inoue T, Hayashi M (2018) Exercise and low-level GABAA receptor inhibition modulate locomotor activity and the expression of BDNF accompanied by changes in epigenetic regulation in the hippocampus. <i>Neurosci Lett.</i> [Epub ahead of print]. Application: Mouse hippocampus homogenates.</p> <p>Maejima H, Kanemura N, Kokubun T, Murata K, Takayanagi K (2017) Exercise enhances cognitive function and neurotrophin expression in the hippocampus accompanied by changes in epigenetic programming in senescence-accelerated mice. <i>Neurosci Lett.</i> doi: 10.1016/j.neulet.2017.11.023. [Epub ahead of print]. Application: Mouse hippocampus homogenates.</p>
Kit components:	The ELISA kit box contains 2 x 96-well pre-coated strip plates, protein standards, detection reagents, substrate buffer and detailed protocols.
Range:	93.8 pg/mL - 6,000 pg/mL
Sensitivity:	< 5 pg/ml

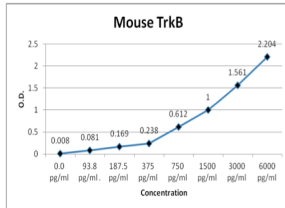
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IX: Typical Standard Curve (for reference only, not to be used for actual data)

Concentration pg/ml	0.0 pg/ml	93.8 pg/ml	187.5 pg/ml	375 pg/ml	750 pg/ml	1500 pg/ml	3000 pg/ml	6000 pg/ml
O.D.	0.008	0.081	0.169	0.208	0.612	1.00	1.561	2.204

These standard curves generated in our laboratories are for demonstration purposes only, but can be used as a guide to expected performance. Standard curves should be generated for each assay.



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