

## 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 mouse 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 mouse 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 tissue lysates and cell culture supernates. 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 4°C

**Specific References:** 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. *Neurosci Lett.* doi: 10.1016/j.neulet.2017.11.023. [Epub ahead of print]. Application: Mouse hippocampus homogenates.

**Kit components:** The ELISA kit box contains 2 x 96 pre-coated strip plates, protein standards, detection reagents, substrate buffer and precise instructions.

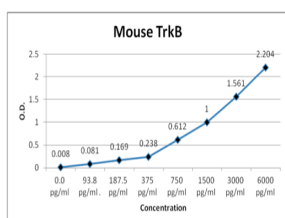
**Range:** 93.8 pg/ml - 6,000 pg/ml

**Sensitivity:** < 5 pg/ml

**Kit protocol:** Please refer to our online product listing for current protocol/MSDS versions.

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

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



FOR RESEARCH USE ONLY