

Mouse monoclonal antibody to human NTN (Neurturin) [1B11]: IgG

Catalogue No.: M-1670-100

Description: Neurturin (NTN) is a member of the GDNF family of neurotrophic factors. This protein is a potent survival factor for several populations of central and peripheral neurons in mature and developing rodents. **FUNCTION:** Supports the survival of sympathetic neurons in culture. May regulate the development and maintenance of the CNS. Might control the size of non-neuronal cell population such as haemopoietic cells. **SUBUNIT:** Homodimer; disulfide-linked. **SUBCELLULAR LOCATION:** Secreted protein. **DISEASE:** Defects in NRTN are a cause of Hirschsprung disease (HSCR). In association with mutations of RET gene, and possibly with other loci, defects in NRTN are involved in Hirschsprung disease. This genetic disorder of neural crest development is characterized by the absence of intramural ganglion cells in the hindgut, often resulting in intestinal obstruction. **SIMILARITY:** Belongs to the TGF-beta family, GDNF subfamily.

Batch No.: See product label

Unit size: 100 µg

Antigen: Recombinant human NRTN protein produced using CHO-based suspension cell line. Protein was purified from the cell culture supernatant.

Antibody Type: Monoclonal

Isotype: IgG1

Produced in: Mouse

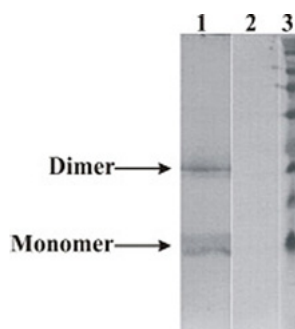
Applications: Western blot (WB) at a suggested dilution of 1:5,000-1:10,000. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.

Species Against: Human

Form: PBS pH 7.4, with 0.1% sodium azide

Storage: Store at -20C or -70C upon receipt. After opening divide antibody into smaller aliquots and store at -20C or -70C for up to six months. Avoid multiple freeze-thaw cycles as product degradation may result.

Expiry Date: 12 months after date of receipt



Western-Blot detection of human NRTN expressed in CHO cells. Line 1. hNRTN-containing CHOEBNALT85 cell culture supernatant. Line 2. Negative control - CHOEBNALT85 cell culture supernatant. 5 µl of supernatant were loaded per line. Primary antibody dilution 1:5000 was used. Antibody recognizes protein dimeric, and monomeric variants.

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