



Anti-Human NT-4

20150304ML



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	101-M15
Size:	500 µg
Lot. No.:	According to product label

Preparation: Monoclonal antibodies were produced in BALB/c x c57BL/6 F1 mice using recombinant human NT-4 as the immunizing antigen. IgG2a antibody was purified from ascites fluid on a Protein A affinity column.

Target Background

Synonyms (Target):	NTF4; NT4; NT5; NT-4; NT-5; NTF5; GLC10; GLC10; NT-4/5
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NT-4 is a neurotrophic factor structurally related to β -NGF, BDNF, and NT-3. These proteins belong to the cysteine-knot family of growth factors that assume stable dimeric structures. NT-4 is expressed in the prostate, thymus, placenta and skeletal muscle. NT-4 can signal through the LNGFR and trkB receptors and promotes the survival of peripheral sensory sympathetic neurons. Recombinant human NT-4 is a noncovalently linked homodimer, of two 14.0 kDa polypeptide monomers (260 total amino acid residues).

Database References Target

Protein RefSeq:	NP_006170.1
Uniprot ID:	P34130
mRNA RefSeq:	NM_006179.4

Product Specifications

Species reactivity	Human
Cross reactivity	Human
Host	Mouse
Clonality	Monoclonal Antibody
Purification	Protein A chromatography
Immunogen	Recombinant Human NT-4
Formulation	lyophilized
Reconstitution buffer	water

Reconstitution: Reconstitute the antibody in sterile water to a concentration of 0.1 - 1.0 mg/ml.

Stability: Lyophilized antibody is stable at room temperature for up to 1 month. The reconstituted antibody is stable for at least 2 weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C.



AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

ELISA: In a sandwich ELISA (assuming 100 µl/well), a concentration of 2 - 4 µg/ml of this antibody will detect at least 2000 pg/ml of recombinant human NT-4 when used with biotinylated antigen affinity purified anti-human NT-4 as the detection antibody at a concentration of approximately 0.5 - 1 µg/ml.

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!