



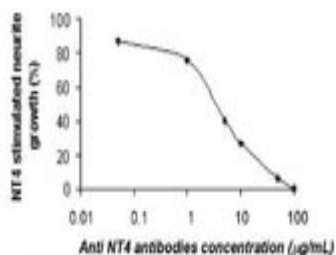
Sheep antibody to rh NT4: whole serum

Catalogue No.:	S-058-100
Description:	FUNCTION: Target-derived survival factor for peripheral sensory sympathetic neurons. SUBCELLULAR LOCATION: Secreted protein. TISSUE SPECIFICITY: Highest levels in prostate, lower levels in thymus, placenta, and skeletal muscle. Expressed in embryonic and adult tissues. SIMILARITY: Belongs to the NGF-beta family.
Batch No.:	See product label
Unit size:	100 uL
Antigen:	Recombinant human NT4
Other Names:	Neurotrophin-5; NT-5; Neurotrophic factor 5; Neurotrophin-4; NT-4; Neurotrophic factor 4; NTF5; NTF4
Accession:	NT5_HUMAN
Produced in:	Sheep
Purity:	Whole serum
Applications:	IHC, ELISA (1 site), Western Blot, dot blot, inhibition of biological activity in vitro/in vivo. Recommended to be used at a dilution of 1:500 to 1:2000 for immunohistochemistry, ELISA and Western blot. 1:10 to 1:50 for inhibition of biological activity in vitro. Use neat for in vivo studies at 5-10 uL/g body weight. Note that the concentration of NT4 is generally low in most tissues nevertheless, neonatal testes of rat can be used as a good positive control. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	Less than 1% cross-reactivity against NGF, recombinant human BDNF and 5% to NT3 has been shown by 1-site ELISA.
Cross-reactivity:	Known to react with NT4 from rat and human, mouse and monkey.
Form:	Lyophilised
Reconstitution:	Reconstitute in 100 uL of sterile water. Centrifuge to remove any insoluble material.
Storage:	After reconstitution keep aliquots at -20C for a higher stability, and at 2-8C with an appropriate antibacterial agent. Avoid repetitive freeze/thaw cycles. Glycerol (1:1) may be added for an additional stability.
Expiry Date:	12 months after purchase
References:	1. Lodouichi (2000) J. Neurosci. 20(6): 2155 2. Zhang et al. (1999) J Neurosci. Meths. 89 (1): 69

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The ED50 of anti-NT4 neutralization is approximately 3.6 µg/mL.

The effect of anti-NT4 antibody on the neurite outgrowth of embryonic dorsal root ganglion promoted by NT4. The ED50 is approximately 3.6 µg/mL.

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