



Sheep antibody to beta NGF: whole serum

Catalogue No.:	S-050-250
Description:	FUNCTION: Nerve growth factor is important for the development and maintenance of the sympathetic and sensory nervous systems. It stimulates division and differentiation of sympathetic and embryonic sensory neurons. SUBUNIT: Homodimer, associated by noncovalent forces. SUBCELLULAR LOCATION: Secreted protein. SIMILARITY: Belongs to the NGF-beta family.
Batch No.:	See product label
Unit size:	250 uL
Antigen:	Native mouse beta NGF purified from submaxillary salivary gland (95% purity by PAGE)
Other Names:	Beta-nerve growth factor
Accession:	NGF_MOUSE
Produced in:	Sheep
Purity:	Whole serum
Applications:	IHC, 1-site ELISA, WB, immunoblot, inhibition of biological activity. A dilution of 1:1000-1:5000 is recommended for IHC, western blot and immunoblot; 1:15000 for ELISA; for inhibition of biological activity: 1:10-50 for in vitro, 5-10 uL/g body weight for in vivo. This antiserum completely inhibits neuronal survival and the outgrowth actions of murine NGF in chicken DRG in vitro. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	A cross reactivity of less than 1% to recombinant human BDNF, NT3, NT4/5 by ELISA has been shown.
Cross-reactivity:	This antiserum is known to cross react with mouse, rat, human and avian NGF but not bovine NGF.
Form:	Lyophilised
Reconstitution:	Reconstitute in 250 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:	<ol style="list-style-type: none">1. Ebendal, T. et al (1989) J Neurosci Res 22, 223-240.2. Zhou, X. F. et al (1994) J Neurosci Methods 54, 95-102.3. Angeletti, P. U. et al (1968) Adv Enzymol Relat Areas Mol Biol 31, 51-75.4. Hesse K. et al. (1997) Neurosci Lett. Aug 8;231(2):83-6.5. Miao J et al. (2012) Neurosci Res. Dec;74(3-4):269-76.

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