



## Sheep antibody to beta NGF: IgG

<b>Catalogue No.:</b>	S-052-500
<b>Description:</b>	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.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	500 ug
<b>Antigen:</b>	Native mouse beta NGF purified from submaxillary salivary gland (95% purity by PAGE)
<b>Other Names:</b>	Beta-nerve growth factor
<b>Accession:</b>	NGF_MOUSE
<b>Produced in:</b>	Sheep
<b>Purity:</b>	Protein G purified IgG
<b>Applications:</b>	IHC, 1-site ELISA, WB, immunoblot, inhibition of biological activity. A concentration of 1-3 ug/mL is recommended for IHC, western blot and immunoblot, ELISA, inhibition of biological activity in vitro. Use neat for in vivo studies at 2-10 ug/mL (ED50). 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.
<b>Specificity:</b>	A cross reactivity of less than 1% to recombinant human BDNF, NT3, NT4/5 by ELISA has been shown.
<b>Cross-reactivity:</b>	This antiserum is known to cross react with mouse, rat, human and avian NGF but not bovine NGF.
<b>Form:</b>	Lyophilised
<b>Reconstitution:</b>	Reconstitute in 500 uL of sterile water. Centrifuge to remove any insoluble material.
<b>Storage:</b>	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.
<b>Expiry Date:</b>	12 months after purchase
<b>Specific References:</b>	Feron F et al (2008) Neurotrophin expression in the adult olfactory epithelium. Brain Res. 1196:13-21 Application: IHC; Species: Rat
<b>General References:</b>	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.

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FOR RESEARCH USE ONLY

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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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