

Datasheet: 6620-1004

Description:	NATIVE MOUSE NERVE GROWTH FACTOR 2.5S
Name:	NERVE GROWTH FACTOR 2.5S
Other names:	NGF BETA
Format:	Purified
Product Type:	Antigen
Quantity:	10 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species	Mouse
Product Form	Purified NGF from mouse submaxillaries - lyophilised
Reconstitution	Dissolve product in a small volume of sterile distilled water. Stability may be enhanced by the addition of albumin.
Preparation	Prepared by a modification of the method by Bocchini and Angeletti (1). Bioassayed in a rat pheochromocytoma cell line (2).
Buffer Solution	TRIS buffered saline
Preservative Stabilisers	None present
External Database Links	<p>UniProt:</p> <p>P01139 Related reagents</p> <p>Entrez Gene:</p>

Synonyms	Ngfb
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Product Information	Nerve growth factor (NGF) is a protein secreted by the target of a neuron that stimulates the growth and differentiation of the sympathetic and certain sensory nerves. Nerve growth factor initially as a 7S proNGF peptide of 3 subunits, alpha, beta (2.5S) and gamma, with the beta (2.5S) subunit having sole responsibility for nerve and growth stimulating activity.
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Purity	SDS PAGE: >95%
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References	<ol style="list-style-type: none">1. Sun, H.L. & Jiang, T. (2015) The structure of nerve growth factor in complex with lysophosphatidylinositol. Acta Crystallogr F Struct Biol Commun. 71 (Pt 7): 906-12.2. Rankin, K.A. <i>et al.</i> (2019) Selective Estrogen Receptor Modulators Enhance CNS Remyelination Independent of Estrogen Receptors. J Neurosci. 39 (12): 2184-94.
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Further Reading	<ol style="list-style-type: none">1. Bocchini, V. & Angeletti, P.U. (1969) The nerve growth factor: purification as a 30,000-molecular-weight protein. Proc Natl Acad Sci U S A. 64 (2): 787-94.2. Green, L.A. (1977) A quantitative bioassay for nerve growth factor (NGF) activity employing a clonal pheochromocytoma cell line. Brain Res. 133 (2): 350-3.
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Storage	Prior to reconstitution store at +4°C. After reconstitution store at -20°C. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein.
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10308 available at: 10308: https://www.bio-rad-antibodies.com/uploads/MSDS/10308.pdf
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Regulatory	For research purposes only
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Printed on 10 Feb 2021