



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Mouse anti Human NGF (Nerve Growth Factor)

[exalpa.com/product/mouse-anti-human-ngf-nerve-growth-factor](http://exalpa.com/product/mouse-anti-human-ngf-nerve-growth-factor)

Catalogue number:

**L146M**

Clone	AS18
Isotype	IgG1
Product Type	Monoclonal Antibody
Units	500 µg
Host	Mouse
Species reactivity	Bovine Human Mouse Viper
Application	Enzyme Immunoassay Functional Inhibition Immunoprecipitation

### Background

Nerve growth factor (NGF) influences the survival and differentiation of a variety of neuronal and nonneuronal cells. The actions of this polypeptide result from binding to specific cell surface receptors which are present as both high and low affinity sites. Although both types of receptor bind NGF only the high affinity form is capable of signal transduction. Cross-linking studies with <sup>125</sup>I-NGF have shown that the high affinity receptor of rat PC12 cells forms an Mr 158,000 complex with NGF while the low affinity receptor forms an Mr 100,000 complex. Full length cDNA clones for both the human and rat NGF receptor genes have been produced and sequenced, revealing greater than 90% homology between the two species. Recently, it has been shown that cells which do not normally respond to NGF only express low affinity receptors from transfected NGF genes but cells which normally are NGF-responsive express high affinity receptors from the same NGF sequences. This supports the hypothesis that the high affinity receptors have a unique component in addition to the subunit common to the low affinity receptors.

*Synonyms:* NGF, hNGF, Beta-nerve growth factor, Beta-NGF, NGF, NGFB

### **Source**

Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized with human recombinant nerve growth factor and mouse myeloma cells.

### **Product**

*Product Form:* Unconjugated

*Formulation:* Provided as solution in phosphate buffered saline, no preservative

*Purification Method:* Protein A/G Chromatography

*Concentration:* See vial for concentration

### **Applications**

Antibody can be used for immunoprecipitation, EIA and for neutralizing NGF in functional studies. Optimal concentration should be evaluated by serial dilutions.

*Functional Analysis:* Immunoprecipitation

*Positive Control:* PC12 cells

### **Storage**

Store at -20C. Aliquot to avoid freeze/thaw cycles

*Product Stability:* Products are stable for one year from purchase when stored properly

*Shipping Conditions:* Ship at ambient temperature

### **Caution**

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. It may contain hazardous ingredients. Please refer to the Safety Data Sheets (SDS) for additional information and proper handling procedures. Dispose product remainders according to local regulations. This datasheet is as accurate as reasonably achievable, but Exalpha Biologicals accepts no liability for any inaccuracies or omissions in this information.

### **References**

1. Kitamura, T., et al., J. Cell Physiol. 1989: 140, 322.
2. Francke, U., et al., Science 1983: 222, 1248.
3. Zabel, B., et al., Proc. Natl. Acad. Sci. USA 1985: 82, 469.
4. Selby, M. et al., Mol. Cell Biol. 1987: 7, 3057.

### **Protein Reference(s)**

*Database Name:* UniProt

*Accession number:* P01138 (Human) P13600 (Bovine) P01139 (Mouse)

*Species Accession:* Human, Bovine, Mouse