

Datasheet: OBT2014

**BATCH NUMBER 145645**

<b>Description:</b>	RABBIT ANTI NERVE GROWTH FACTOR 2.5S
<b>Specificity:</b>	NERVE GROWTH FACTOR 2.5S
<b>Other names:</b>	NGF BETA
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	1 mg

## 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			
Western Blotting	▪			
Functional Assays	▪			0.1ug/ml - 1.0ug/ml

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 appropriate negative/positive controls.

### Target Species

Mouse

### Species Cross Reactivity

Reacts with: Human

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG - lyophilised

### Reconstitution

Reconstitute with 1.0ml distilled water

Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended. **N.B.** For functional studies do not add sodium azide

**Antiserum Preparation** Antiserum to NGF 2.5S was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography on Protein G.

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**Buffer Solution** Phosphate buffered saline

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**Preservative Stabilisers** None present

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**Approx. Protein Concentrations** IgG concentration 1.0 mg/ml after reconstitution

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**Immunogen** Affinity purified mouse NGF 2.5S.

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**External Database Links**

**UniProt:**  
[P01139](#)   [Related reagents](#)

**Entrez Gene:**  
[18049](#)   Ngf   [Related reagents](#)

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**Synonyms** Ngfb

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**RRID** AB\_618667

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**Specificity** **Rabbit anti Nerve Growth Factor 2.5S antibody** recognises murine Beta-nerve growth factor, also known as Nerve growth factor or NGF. Rabbit anti Nerve Growth Factor 2.5S antibody recognizes both the 2.5S and 7S forms of mouse nerve growth factor beta, a secreted peptide involved in the development and maintenance of the sympathetic and sensory nervous systems.

In a standard bioassay, this antibody neutralises the activity of 3.0 ng/ml NGF 2.5S when used at a concentration of around 0.5 µg/ml.

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**References** 1. Ye, Y. *et al.* (2011) Nerve Growth Factor Links Oral Cancer Progression, Pain, and Cachexia [Mol Cancer Ther. 10: 1667-76.](#)

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**Storage** Store at -20°C only.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10162 available at:  
<https://www.bio-rad-antibodies.com/SDS/OBT2014>  
10162

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

### Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

**North & South** Tel: +1 800 265 7376

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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