

## Anti-Nerve Growth Factor [alphaD11] Vivopure 25 mg Ab00278-1.4-VPS

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a chimeric antibody created to reduce immunogenicity during in vivo applications.

**Isotype and Format:** Mouse IgG1, [Fc Silent™](#), Kappa

**Clone Number:** alphaD11

**Alternative Name(s) of Target:** NGF; Ad11; alpha-D11; αD11

**UniProt Accession Number of Target Protein:** P01138

**Published Application(s):** Block, ELISA, IF, IHC

**Published Species Reactivity:** Rat, Mouse

**Immunogen:** Nerve growth factor is a small, secreted, signalling protein that is important for the growth, maintenance and survival of certain target neurons.

**Specificity:** Recognises Nerve Growth Factor in rat and mouse with analgesic effect.

**Application Notes:** This anti-NGF antibody is extremely effective at neutralizing the biological actions of NGF in a wide variety of *in vivo* systems.

**Antibody First Published in:** Cattaneo A, Rapposelli B, Calissano P. Three distinct types of monoclonal antibodies after long-term immunization of rats with mouse nerve growth factor. J Neurochem. 1988 Apr;50(4):1003-10. [PMID:2450170](#)

**Note on publication:**

### Product Form

**Size:** 25 mg Vivopure products are produced at high purity (>98%), low endotoxin (<0.5 EU/mg) and are formulated without preservatives. As a result Vivopure products are the ideal choice for in vivo research applications.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only, with >98% antibody purity and <1 EU/mg guaranteed.

**Storage Recommendation:** All vivopure products are formulated in PBS only without addition of preservatives. To ensure optimal storage and prevent microbial contamination, only open and dispense

under sterile conditions.

**Concentration:**  $\geq 1\text{mg}$  (see vial label for exact conc)

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.