



PRODUCT DATA SHEET

Product: Anti-Nerve Growth Factor (hNGF), Clone AS21

Cat. No: MC-745 (500 µg)

Specificity:

This antibody recognizes 2.5S, 7S, and bNGF. The epitope has been localized to aa 46-62 of hNGF.

Species Reactivity:

Human and mouse, others not tested.

Ig Isotype: IgG1

Format:

Provided as 0.2 µm sterile filtered solution in phosphate buffered saline with 0.08% sodium azide. Purified from hybridoma culture supernatant by protein G chromatography. Purity >95% as determined by SDS-PAGE.

Storage and Stability:

Stable for 1 year when stored at -20°C. Aliquot to avoid freeze/thaw cycles.

Applications and Suggested Dilutions:

- ELISA: Typically for mouse NGF, the ELISA has a working range of 0.1-15 ng/ml and a sensitivity of <0.05 ng/ml with the appropriate standard. Recommended sample volumes are 25-200 µl. Recovery of human NGF in human plasma is typically >90% in the ELISA. The use of Tris buffer, pH 7, is recommended.
- Neutralization: This antibody has been used to neutralize >90% human NGF bioactivity on PC12 cells at a 200-fold molar excess.

The optimal dilution for a specific application should be determined by the researcher.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.