



Antibody Specification Sheet

Anti-Human Nerve Growth Factor (hNGF) - Purified



Catalog reference: AS22-P

Size: 0.5 mg

Antibody Information:

Antigen: human recombinant nerve growth factor (hNGF).

Ig Class: mIgG1.

Form: purified.

Specificity: recognizes human, bovine and viper NGF. The epitope has been localized to aa 58-68 of hNGF.

Antibody Source: monoclonal antibody from BALB/c-derived hybridomas.

Production: *in vitro* cell culture.

Purification: Protein A agarose chromatography.

Purity: ≥95%.

Formulation: provided as a 0.2 µm sterile-filtered solution

in Ca⁺⁺ & Mg⁺⁺ free Dulbecco's PBS.

Concentration: 1 mg/ml.

Recommendations: ELISA for human NGF and Neutralization.

Storage conditions: store undiluted at 4 °C or in aliquots at ≤ -20 °C.

Applications:

Elisa: This antibody has been used as a coating antibody at 10 µg/ml in a two-site ELISA with AS18-B for human NGF. Typically for human 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. (Kenney, JS, Masada, MP, and Allison AC, *Laboratory Methods in Immunology*, Vol. I, 231, 1990).

Neutralization: This antibody has been used to neutralize > 90% human NGF bioactivity on PC12 cells at a 200-fold molar excess.

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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