



Antibody Specification Sheet

Anti-Human Ciliary NeuroTrophic Factor (hCNTF) - Purified



Catalog reference: AS23-P

Size: 0.5 mg

Antibody Information:

Antigen: human recombinant ciliary neurotrophic factor (hCNTF).

Ig Class: mlgG1.

Form: purified.

Specificity: recognizes human CNTF. Does not recognize hNGF or a panel of unrelated human cytokines.

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 with 0.05% sodium azide.

Concentration: 1 mg/ml.

Recommendations: ELISA, Western Blot and Immunoprecipitation.

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 PS2-B. Typically the ELISA has a working range of 250-20000 pg/ml and a sensitivity of < 250 pg/ml with the appropriate standard. Recommended sample volumes are 25-200 µl. Recovery of hCNTF in human plasma is typically > 85% in the ELISA. (Kenney, JS, Masada, MP, and Allison AC, *Laboratory Methods in Immunology*, Vol. I, 231, 1990).

Western Blot: This antibody can be used at a range from 1 to 5 µg/ml to visualize hCNTF in Western Blots with appropriate secondary reagents.

Immunoprecipitation: This antibody has been used to immunoprecipitate > 90% hCNTF in solution using a double-antibody method. (Midgley, AR and Hepburn, MR, *Methods Enzymol.*, 70, 266, 1980).

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

Antibody Solutions

1206 Charleston Road, Mountain View, CA 94043, USA

Tel: 650-938-4300, FAX: 650-938-4390

E-mail: solns@antibody.com