



Antibody Specification Sheet

Anti-Human Tumor Necrosis Factor alpha (hTNF α) - Purified



Catalog reference: AS3-P

Size: 0.5 mg

Antibody Information:

Antigen: human recombinant tumor necrosis factor alpha (hTNF α).

Ig Class: mIgG2a

Form: purified

Specificity: recognizes human TNF α . This antibody also binds baboon TNF α . Does not recognize human TNF β , mouse TNF α or a

panel of other human cytokines.

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

Production: *in vitro* cell culture.

Purification: Protein A agarose chromatography.

Purity: $\geq 95\%$

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, 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 5 $\mu\text{g/ml}$ in a two site ELISA with AS1-B. Typically the ELISA has a working range of 14-10000 pg/ml and a sensitivity of <5 pg/ml with the appropriate standard. Recommended sample volumes are 25-500 μl . Recovery of hTNF α in human serum is typically >85% in the ELISA.

Immunoprecipitation: This antibody has been used to immunoprecipitate > 90% TNF α 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

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