



Antibody Specification Sheet

Anti-Human Interleukin 1 Alpha (hIL-1 α) - Purified



Catalog reference: AS5-P

Size: 0.5 mg

Antibody Information:

Antigen: human recombinant interleukin 1 alpha (hIL-1 α).

Ig Class: mlgG1.

Form: purified.

Specificity: recognizes human IL-1 α . Does not recognize mouse IL-1 α human IL-1 β 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 μ m sterile-filtered solution in Ca⁺⁺ & Mg⁺⁺ free

Dulbecco's phosphate-buffered saline.

Concentration: 1 mg/ml.

Recommendations: Immunoprecipitation, Immunohistochemistry, Neutralization and Flow Cytometry (see AS5-F).

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

Applications:

Immunoprecipitation: This antibody has been used to immunoprecipitate > 90% hIL-1 α in solution using a double-antibody method. (Midgley, AR and Hepburn, MR, *Methods Enzymol.*, 70, 266, 1980).

Immunohistochemistry: This antibody has been used at 1-10 μ g/ml to stain human hIL-

1 α expressed in mononuclear cells, following fixation with 4% paraform in PBS for 10 minutes at 4 °C, plus 0.1% saponin 20 minutes at RT.

Neutralization: This antibody has been used at 25 micrograms/ml to neutralize $\geq 95\%$ of the biological activity of hIL-1 α at 0.5 ng/ml.

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

Antibody Solutions

1130 Mountain View Alviso Road, Sunnyvale, CA 94089, USA

Tel: +1-650-938-4300, FAX: +1-408-734-0400

E-mail: solutions@antibody.com