



## Antibody Specification Sheet

### Anti-Human Interleukin 1 Alpha (hIL-1 $\alpha$ ) - Purified



Catalog reference: AS5-P

Size: 0.5 mg

#### Antibody Information:

**Antigen:** human recombinant interleukin 1 alpha (hIL-1 $\alpha$ ).

**Ig Class:** mIgG1.

**Form:** purified.

**Specificity:** recognizes human IL-1 $\alpha$ . Does not recognize mouse IL-1 $\alpha$  human IL-1 $\beta$  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  $\mu$ m sterile-filtered solution in Ca<sup>++</sup> & Mg<sup>++</sup> 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  $\leq$  -20 °C.

#### Applications:

**Immunoprecipitation:** This antibody has been used to immunoprecipitate > 90% hIL-1 $\alpha$  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  $\mu$ g/ml to stain human hIL-

1 $\alpha$  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 $\alpha$  at 0.5 ng/ml.

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](mailto:solns@antibody.com)