



## Antibody Specification Sheet

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

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Catalog reference: AS6-B

Size: 0.2 mg

#### Antibody Information:

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

**Ig Class:** mIgG1.

**Form:** biotin conjugated.

**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 with 0.05% sodium azide.

**Concentration:** 1 mg/ml.

**Recommendations:** ELISA.

**Storage conditions:** store undiluted at 4 °C or in aliquots at  $\leq$  - 20 °C.

#### Applications:

**Elisa:** This antibody has been used as a solution phase antibody at 2  $\mu$ g/ml in a two site ELISA with AS8-P. 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 25-200  $\mu$ l. Recovery of hIL-1 $\alpha$  in human serum is typically >85% in the ELISA.

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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