



Antibody Specification Sheet

Anti-Human Interleukin 1 Beta (hIL-1 β) - Purified



Catalog reference: AS10-P

Size: 0.5 mg

Antibody Information:

Antigen: human recombinant interleukin 1 beta (hIL-1 β).

Ig Class: mIgG1.

Form: purified.

Specificity: Recognizes human IL-1 β . Does not recognize mouse IL-1 β , human IL-1 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 μ m sterile-filtered solution

in Ca⁺⁺ & Mg⁺⁺ free Dulbecco's PBS.

Concentration: 1 mg/ml.

Recommendations:

Neutralization, Immunohistochemistry Immunoprecipitation, and Flow Cytometry (see AS10-F).

Storage conditions: store undiluted at 4°C or in aliquots at $\leq -20^\circ\text{C}$.

Applications:

Neutralization: This antibody has been used at a 100-fold molar excess to neutralize $\geq 95\%$ of the biological activity of human IL-1 β .

Immunohistochemistry: This antibody has been used at 1-10 μ g/ml to stain human hIL-1 β expressed in mononuclear cells, following

fixation with 4% paraform in PBS for 10 minutes at 4°C, plus 0.1% saponin 20 minutes RT.

Immunoprecipitation: This antibody has been used to immunoprecipitate $>90\%$ hIL-1 β 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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