



Anti human interleukin 1 beta (hIL-1 β) Biotin

Specificity: Recognizes human IL-1 beta. (Does not recognize mouse IL-1 beta (human IL-1 alpha or a panel of other human cytokines).

Isotype: mIgG1.

Clone: AS57

Concentration: 1 mg/ml

Formulation: Provided as 0.2 μ m sterile filtered solution in phosphate buffered saline with 0.08% sodium azide.

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 IL-1 β expressed in mononuclear cells, following fixation with 4% paraformaldehyde in PBS for 10 minutes at 4°C, plus 0.1% saponin 20 minutes at 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).
ELISA: This antibody has been used as a solution phase antibody at 2 μ g/ml in a two site ELISA with unconjugated IL-1beta antibody (Cat. No. L140M). Typically the ELISA has a working range of 0-500 pg/ml and a sensitivity of 5 pg/ml with the appropriate standard. Recommended sample volumes are 25-200 μ l. Recovery of hIL-1(in human serum is typically $>$ 85% in the ELISA

Antibody Source: *In vitro* cell culture, protein G purified.

Antibody Purity: $>$ 95 % by SDS PAGE

Storage: Antibodies should be stored at -20° C. Aliquot to avoid freeze/thaw cycles.

Stability: Antibodies are stable for one year from purchase if stored frozen.

Ordering Information:	Form	Vial Size	Catalog #
	Biotin	0.2 mg	L142M

For research use only. Not for use in human diagnostics or therapeutics.