

Product datasheet for **TA388906**

IL1B Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Sandwich ELISA: To detect hIL-1 beta by sandwich ELISA (using 100 ul/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with ProSci's Biotinylated Anti-Human IL-1 beta as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIL-1 beta. Western Blot To detect hIL-1beta by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 ug/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hIL-1beta is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Produced from sera of goats pre-immunized with highly pure (>98%) recombinant hIL-1 beta. Anti-HumanIL-1beta specific antibody was purified by affinity chromatography employing immobilized hIL-1beta matrix.
Concentration:	lot specific
Purification:	IL-1 beta specific antibody was purified by affinity chromatography employing immobilized hIL-1 beta matrix
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Database Link:	P01584



[View online »](#)

Background:

IL-1 beta is a proinflammatory cytokine produced in a variety of cells, including monocytes, tissue macrophages, keratinocytes, and other epithelial cells. Both IL-1 alpha and IL-1 beta bind to the same receptor and have similar, if not identical, biological properties. These cytokines have a broad range of activities including the stimulation of thymocyte proliferation by inducing IL-2 release, B cell maturation and proliferation, mitogenic FGF-like activity, and the release of prostaglandin and collagenase from synovial cells. However, whereas IL-1 beta is a secreted cytokine, IL-1 alpha is predominantly a cell-associated cytokine. Recombinant Human IL-1 beta is a 17.3 kDa protein containing 153 amino acid residues.