

Product datasheet for **TA388899**

IL1B Mouse Monoclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Sandwich ELISA: In a sandwich ELISA (assuming 100ul/well), a concentration of 0.25-0.50 µg/ml of this antibody will detect at least 100pg/ml of Recombinant Human IL-1 beta when used with ProSci's Biotinylated Antigen Affinity Purified Anti-Human IL-1beta as the detection antibody at a concentration of approximately 0.25-0.50 µg/ml. Western Blot To detect Human IL-1 beta by Western Blot analysis this antibody can be used at a concentration of 0.25-0.50 µg/ml. When used in conjunction with compatible secondary reagents, the detection limit for Recombinant Human IL-1beta is 2.0-4.0 ng/lane, under reducing conditions and 4.0-8.0 ng/lane, under non-reducing conditions.
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Immunogen:	Produced in BALB/c mice immunized with highly pure Recombinant Human IL-1beta. Anti-Human IL-1 beta-specific antibody was purified from cell culture by Protein G affinity chromatography.
Concentration:	lot specific
Purification:	IL-1 beta-specific antibody was purified from cell culture by Protein G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Database Link:	P01584



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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.