

Product datasheet for **DM1021**

IL1 beta (IL1B) Mouse Monoclonal Antibody [Clone ID: S1B7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	S1B7
Applications:	ELISA
Recommended Dilution:	ELISA.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant Human IL1 beta.
Specificity:	Reactive with natural and recombinant Human Interleukin-1 beta (IL1 beta). Does not show any cross reaction with recombinant Human IL1 alpha, recombinant Murine IL1 alpha or IL1 beta.
Formulation:	0.01M PBS, pH 7.2 without preservatives. State: Purified State: Lyophilized purified IgG fraction.
Reconstitution Method:	Restore with double distilled water to adjust the final concentration to 1.00 mg/ml
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G.
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 1 beta
Database Link:	Entrez Gene 3553 Human P01584



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Background:	Interleukin 1 (IL1), originally known as lymphocyte activating factor (LAF), activates T cells and lymphocytes, which then proliferate and secrete interleukin 2. IL1 is primarily released from stimulated macrophages and monocytes, but also is released from several other cell types, and is thought to play a key role in inflammatory and immune responses. The two closely related agents, interleukin1 alpha (IL1 alpha) and interleukin1 beta (IL1 beta) bind to the same cell surface receptor, elicit nearly identical biological responses and share 25% homology in their amino acid sequence.
Synonyms:	IL-1 beta, IL1B, IL1 beta, IL1F2, Catabolin
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Alzheimer's disease, Apoptosis, Cytokine-cytokine receptor interaction, Cytosolic DNA-sensing pathway, Graft-versus-host disease, Hematopoietic cell lineage, MAPK signaling pathway, NOD-like receptor signaling pathway, Prion diseases, Toll-like receptor signaling pathway, Type I diabetes mellitus