

Product datasheet for **DM1019**

IL1 beta (IL1B) Mouse Monoclonal Antibody [Clone ID: S1H12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	S1H12
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western Blot: An antibody concentration of 20-100 ng/mL will allow visualization of 100 ng/lane of human IL-1 β .
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant human IL-1 β
Specificity:	Reactive with natural and recombinant human IL-1 β . Does not show any cross reaction with recombinant human IL-1 α , recombinant murine IL-1 α or IL-1 β .
Formulation:	0.01M PBS, pH 7.2 State: Purified State: Lyophilized purified IgG
Reconstitution Method:	Restore with double distilled water is recommended to adjust the final concentration to 1.00 mg/ml
Purification:	Protein G affinity purified
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