

Product datasheet for DM1024

OriGene Technologies, Inc.

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IL1 beta (IL1B) Mouse Monoclonal Antibody [Clone ID: S3F12]

Product data:

Product Type: Primary Antibodies

Clone Name: S3F12
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 distillated 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.

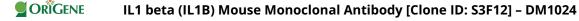
Stability: Shelf life: one year from despatch.

Gene Name: interleukin 1 beta

Database Link: Entrez Gene 3553 Human

P01584





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