IL1A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IL1A, Polyclonal Antibody
Full Product Name	IL1A antibody (biotin)
Product Gene Name	anti-IL1A antibody
Product Synonym Names	Rabbit polyclonal IL1A antibody (biotin); Polyclonal IL1A antibody; Anti-IL1A antibody; IL1F1 antibody; Hematopoietin 1IL 1 alpha antibody; IL 1A antibody; IL-1A antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Form/Format	Supplied with 0.03% Proclin 300, 50% Glycerol and 0.01M PBS, PH 7.4
Purity/Purification	Purified by Ammonium Sulfate precipitation
Preparation and Storage	Store at 4 degree C for short term storage and-20 degree C for long term storage. Avoid repeat freeze/thaw cycles.
Molecular Weight	30,607 Da
OMIM	147760
3D Structure	ModBase 3D Structure for P01583
Immunogen	IL1A antibody (Biotin) was raised in Rabbit using recombinant human Interleukin-1 alpha protein as the immunogen
Conjugate	Biotin
Cross-Reactivity	Human
Product Categories/Family for anti-IL1A antibody	Immunology
Applications Tested/Suitable for anti-IL1A antibody	ELISA (EIA), Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-IL1A antibody	ELISA: 1:200-1:1000 WB: 1:100-1:200
Related Product Information for anti-IL1A antibody	IL1A is produced mainly by activated macrophages, as well as neutrophils, epithelial cells, and endothelial cells. It possesses metabolic, physiological, haematopoietic activities, and plays one of the central roles in the regulation of the immune responses. It binds to the interleukin-1 receptor.[3][4] It is on the pathway that activates tumor necrosis factor-alpha.
Other Notes	Small volumes of anti-IL1A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IL1A purchase	MBS5310367 is an antibody targeting IL1A. Also known as IL1A antibody (biotin). Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL1A. It may not necessarily be applicable to this product.

NCBI GI #	27894330

NCBI GeneID	3552
NCBI Accession #	NP_000566.3
UniProt Primary Accession #	P01583
UniProt Secondary Accession #	Q53QF9; Q7RU02
UniProt Related Accession #	P01583
GenBank Nucleotide #	NM_000575.4
NCBI Official Full Name	interleukin-1 alpha
NCBI Official Synonym Full Names	interleukin 1 alpha
NCBI Official Symbol	IL1A
NCBI Official Synonym Symbols	IL1; IL-1A; IL1F1; IL1-ALPHA
UniProt Protein Name	Interleukin-1 alpha
UniProt Synonym Protein Names	Hematopoietin-1
Protein Family	Interleukin
UniProt Gene Name	IL1A
UniProt Synonym Gene Names	IL1F1; IL-1 alpha
NCBI Protein Information	interleukin-1 alpha
NCBI Summary for IL1A	The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is a pleiotropic cytokine involved in various immune responses, inflammatory processes, and hematopoiesis. This cytokine is produced by monocytes and macrophages as a proprotein, which is proteolytically processed and released in response to cell injury, and thus induces apoptosis. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. It has been suggested that the polymorphism of these genes is associated with rheumatoid arthritis and Alzheimer's disease. [provided by RefSeq, Jul 2008]
UniProt Comments for IL1A	Produced by activated macrophages, IL-1 stimulates thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity. IL-1 proteins are involved in the inflammatory response, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin and collagenase from synovial cells.
Research Articles on IL1A	**1.** No significant difference was seen in mRNA levels among different promoter genotype for IL1A in SCA3 patients vs. controls, except a previously reported higher level in those with the IL1A*T allele. These patients also showed an earlier age of onset than those homozygous for IL1A*C.
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