

Mouse anti-Human Interleukin-1 beta (IL-1 beta) Monoclonal Antibody | anti-IL1B antibody

Interleukin-1 beta (IL-1 beta) Mouse Monoclonal Antibody [Clone IL1B/3993]

CATALOG # AAA215738	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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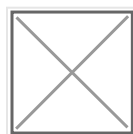
PRODUCT SYNONYMS

Interleukin-1 beta (IL-1 beta); Monoclonal Antibody; Interleukin-1 beta (IL-1 beta) Mouse Monoclonal Antibody [Clone IL1B/3993]; Catabolin; Hematopoietin 1 (H1); IFN beta inducing factor; IL-1 beta; IL1B; IL1F2; Interleukin 1 beta precursor; Interleukin-1 beta; LAF; Osteoclast activating factor (OAF); Preinterleukin 1 beta; Pro interleukin 1 beta; anti-IL1B antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG2b, kappa
Clone Number	IL1B/3993
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-IL1B antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant fragment of human IL1B protein (exact sequence is proprietary)
Cellular Localization	Cytoplasm & Extracellular (Secreted)
Positive Control	LPS stimulated human peripheral blood mononuclear cells. Human colon or liver tissue.
Hu-chromosome Location	2q14.1
Unigene	126256
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human colon stained with Interleukin-1 Beta (IL-1B) Mouse Monoclonal Antibody (IL1B/3993).

ADDITIONAL INFORMATION

Related Product Information for anti-IL1B antibody	Recognizes a protein of 17-31kDa, identified as interleukin 1beta. It shows no cross-reaction with interleukin 1alpha. Epitopes of MAb IL1B/463 and IL1B/3993 are different and provide a good pair for developing an ELISA. This cytokine is produced by activated macrophages as a proprotein, which is proteolytically processed to its active form by caspase 1 (CASP1/ICE). This cytokine is an important mediator of the inflammatory response, and is involved in a variety of cellular activities, including cell proliferation, differentiation, and apoptosis. The induction of cyclooxygenase-2 (PTGS2/COX2) by this cytokine in the central nervous system (CNS) is found to contribute to inflammatory pain hypersensitivity. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10835145
NCBI GeneID	3553
NCBI Accession #	NP_000567.1
NCBI GenBank Nucleotide #	NM_000576.2
UniProt Accession #	P01584; Q53X59; Q53XX2; Q7M4S7; Q7RU01; Q96HE5; Q9UCT6
Molecular Weight	Calculated: 30 kDa; Observed: 36 kDa
NCBI Official Full Name	interleukin-1 beta proprotein
NCBI Official Synonym Full Names	interleukin 1, beta
NCBI Official Symbol	IL1B
NCBI Official Synonym Symbols	IL-1; IL1F2; IL1-BETA
NCBI Protein Information	interleukin-1 beta; IL-1 beta; catabolin; preinterleukin 1 beta; pro-interleukin-1-beta
UniProt Protein Name	Interleukin-1 beta
UniProt Gene Name	IL1B
UniProt Synonym Gene Names	IL1F2; IL-1 beta
UniProt Entry Name	IL1B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/interleukin-1-beta-il-1-beta-antibody-clone-il1b-3993-immunohistochemistry-elisa/215738>