# Mouse anti-Human IL-1 beta Monoclonal Antibody | anti-IL1B antibody

Anti-IL-1 beta Antibody, Mouse Monoclonal

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA254550** | **Mouse** | **Human** | **Immunohistochemistry** |

## PRODUCT SYNONYMS

IL-1 beta; Monoclonal Antibody; Anti-IL-1 beta Antibody; Mouse Monoclonal; IL1B/IL-1B/IL-1 beta Antibody; Mouse MAb; interleukin 1; beta; Anti-IL-1 Antibody; Anti-IL-1B Antibody; Anti-IL1-BETA Antibody; Anti-IL1F2 Antibody; anti-IL1B antibody

## PRODUCT SPECIFICATIONS

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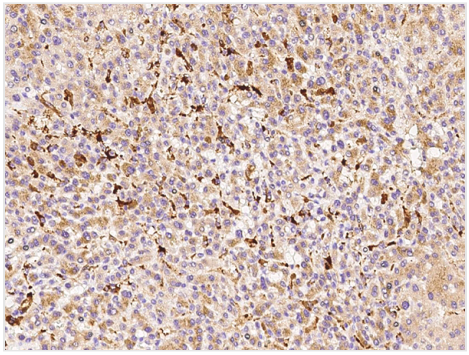
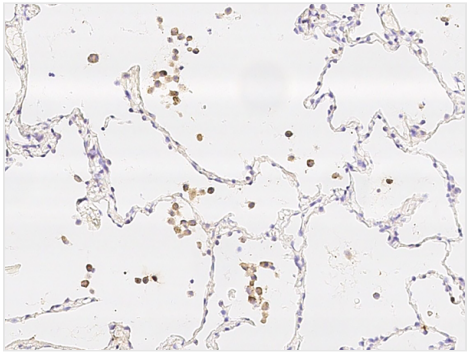
| **Host** | Mouse |
| **Reactivity** | Human |
| **Clonality** | Monoclonal |
| **Isotype** | Mouse IgG1 |
| **Clone Number** | 39 |
| **Specificity** | Human IL1B/IL-1B/IL-1 beta |
| **Purity/Purification** | Protein A |
| **Form/Format** | Liquid; 0.2um filtered solution in PBS |
| **Applicable Applications for anti-IL1B antibody** | IHC (Immunohistochemistry) |
| **Immunogen** | Recombinant Human IL1B/IL-1B/IL-1 beta Protein |
| **Conjugation** | Unconjugated |
| **Preparation** | This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human IL1B/IL-1B/IL-1 beta (rh IL1B/IL-1B/IL-1 beta). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography. |
| **Preparation and Storage** | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |

## IMAGES



**IHC (Immunohiostchemistry)**
Immunochemical staining of human IL1b in human liver with mouse monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



**IHC (Immunohistochemistry)**
Immunochemical staining of human IL1b in human lung with mouse monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.

## ADDITIONAL INFORMATION

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| **Related Product Information for anti-IL1B antibody** | Interleukin-1 beta (IL1 beta or IL1B) also known as catabolin, is a member of the interleukin 1 cytokine family. IL1 is a pleiotropic cytokine. It is involved in the inflammatory response, cell growth, and tissue repair in the cortex. The IL1 superfamily consists of three members, IL1A (IL1 alpha), IL1B (IL1 beta), and IL1 receptor antagonist (IL1Ra). In clinical, it has been reported that Interleukin (IL)-1 may influence Th1/Th2 immune responsiveness and has been implicated in the establishment of a successful pregnancy. Proinflammatory interleukin (IL)-1 gene polymorphisms associated with high levels of IL-1beta activity increase the risk for hypochlorhydria and distal gastric carcinoma. IL1B polymorphisms may be involved in susceptibility to SSc. Moreover, the IL2-384-G allele may be a marker for the limited phenotype of systemic sclerosis (SSc). |
| **Product Categories/Family for anti-IL1B antibody** | Neuroinflammation; IL1 signaling pathway |
| **References** | Kim SH, et al. (2008) Association of -31TC and -511 CT polymorphisms in the interleukin 1 beta (IL1B) promoter in Korean keratoconus patients. Mol Vis. 14:2109-16.<br>Wang ZC, et al. (2002) T helper 1-type immunity to trophoblast antigens in women with a history of recurrent pregnancy loss is associated with polymorphism of the IL1B promoter region. Genes Immun. 3(1): 38-42.<br>Mattuzzi S, et al. (2007) Association of polymorphisms in the IL1B and IL2 genes with susceptibility and severity of systemic sclerosis. J Rheumatol. 34(5): 997-1004. |

## NCBI AND UNIPROT INFORMATION

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| **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** |

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| **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://www.aaabiotech.com/monoclonal/il-1-beta-antibody-clone-39-immunohistochemistry-elisa/254550