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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-IL-1B [MAb201] Standard Size Ab03653-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: MAb201

Alternative Name(s) of Target: IL1B; IL-1β; 1L1F2; Interleukin-1 beta; IL-1 beta; Catabolin

UniProt Accession Number of Target Protein: P01584

Published Application(s): ICC, inhibit, neutralize, WB

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing mice with E. coli derived recombinant human IL-1 beta /IL-1F2 (aa 117-269).

Specificity: This antibody binds human Interleukin-1 beta, which is a potent pro-inflammatory cytokine. This antibody is reported to show some cross reactivity with recombinant mouse IL-1b. Initially discovered as the major endogenous pyrogen, induces prostaglandin synthesis, neutrophil influx and activation, T-cell activation and cytokine production, B-cell activation and antibody production, and fibroblast proliferation and collagen production. It promotes Th17 differentiation of T-cells and synergizes with IL12/interleukin-12 to induce IFNG synthesis from T-helper 1 (Th1) cells. It also plays a role in angiogenesis by inducing VEGF production synergistically with TNF and IL6.

Application Notes: This antibody can be used in the detection of human IL-1b using western blot (PMID: 19465481). This antibody was used for the immunocytochemical staining of nuclear IL-1b in human breast cancer samples (PMID: 21057224). This antibody has been reported to neutralize the human IL-1 beta induced stimulation of proliferation in the D10.G4.1 mouse helper T cell line in a dose-dependent manner. This antibody inhibits binding of IL-1RAcP to IL-1 bound IL-1R1. This antibody is also reported to be as potent as IL-1ra in inhibiting IL-1 induced IL-6 in human chondrocytes. (US20030026806). Humanized version of this antibody is available on request.

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.