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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-IL-1B [IC8] Standard Size Ab03654-10.3

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: IC8

Alternative Name(s) of Target: IL1B; IL-1β; 1L1F2; Interleukin-1 beta; IL-1 beta; Catabolin; 1C8

UniProt Accession Number of Target Protein: P01584

Published Application(s): neutralize

Published Species Reactivity: Human

Immunogen: The original mouse antibody was generated by immunizing mice with human IL-1B protein. The humanized version was generated by grafting CDRs of the original mouse antibody onto human framework regions.

Specificity: This antibody binds human Interleukin-1 beta, which is a potent pro-inflammatory cytokine. 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 is the humanized version of original mouse antibody IC8. This antibody binds human IL-1B with a binding affinity of $K_d = 0.28$ nM. The Fab version of this antibody was reported to neutralize IL-1B activity both in an in vitro and an in vivo assay (US7608694).

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.