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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

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Anti-IL-1B [IC8] Bulk Size Ab03654-3.0-BT

Isotype and Format: Mouse IgG2b, Kappa

Clone Number: IC8

Alternative Name(s) of Target: IL1B; IL-1 β ; 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: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.