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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-IL23 (p19) [G23-8] Bulk Size Ab03741-8.4-BT

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

Isotype and Format: Rat IgG2b, Fc Silent™, Kappa

Clone Number: G23-8

Alternative Name(s) of Target: IL23A; IL-23p19; IL23p19; IL23-p19; IL-23p19; SGRF; Interleukin-23 subunit alpha; IL-23 subunit alpha; IL-23-A; Interleukin-23 subunit p19

UniProt Accession Number of Target Protein: Q9EQ14

Published Application(s): functional assay, neutralize, ELISA

Published Species Reactivity: Mouse

Immunogen: The original antibody was generated by immunizing rats with recombinant mouse IL-23 heterodimer.

Specificity: This antibody binds p19 subunit of mouse interleukin-23 (IL-23). IL-23A associates with IL-12B to form IL-23 interleukin which is a heterodimeric cytokine which functions in innate and adaptive immunity. IL-23 binds to a heterodimeric receptor complex composed of IL12RB1 and IL23R, activates the Jak-Stat signaling cascade, stimulates memory rather than naive T-cells and promotes production of pro-inflammatory cytokine IL-17. Mouse IL-23 also induces strong proliferation of memory T cells. IL-23 is secreted by activated dendritic cells.

Application Notes: This antibody can neutralize the bioactivity of IL-23 with no effect on IL-12 p70 bioactivity. This antibody can be used for the detection of mouse IL-23 p19 in an ELISA (PMID: 18802055). This antibody was used in assay to determine the effect of anti-IL23p19 antibody on increase in IL-17 production after neutralization of IL-4 in T cells cultured with IL-4 DCs or with non transduced DCs (PMID: 17195211). This antibody was reported to inhibit lactic acid-induced enhancement of IL-17 production by OT-II mouse splenocytes that had been stimulated with the TLR ligand peptidoglycan (PGN) and bacillus Calmette-Guérin cell wall skeleton (BCG-CWS) (PMID: 18490716).

Antibody First Published in: Sarkar et al. Interleukin-17 as a molecular target in immune-mediated arthritis: immunoregulatory properties of genetically modified murine dendritic cells that secrete interleukin-4. *Arthritis Rheum.* 2007 Jan; 56(1):89-100. [PMID:17195211](#)

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.