



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-IL23 (p19) [G23-8] Standard Size Ab03741-8.4

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:**

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.