



# 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 Ab03741-2.3

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

This chimeric mouse antibody was made using the variable domain sequences of the original Rat IgG2b format for improved compatibility with existing reagents assays and techniques.

**Isotype and Format:** Mouse IgG2a, [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-Gue ´rin 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.