



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### 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](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

## Anti-IL-13 [6A1] Bulk Size Ab04494-23.0-BT

**Isotype and Format:** Rabbit IgG, Kappa

**Clone Number:** 6A1

**Alternative Name(s) of Target:** IL13; Interleukin-13; P600

**UniProt Accession Number of Target Protein:** P35225

**Published Application(s):** inhibition, neutralization, SPR, ELISA

**Published Species Reactivity:** Human, Cynomolgus Monkey

**Immunogen:** The original antibody was generated by immunizing SJL mice with *E. Coli*-produced recombinant human IL-13.

**Specificity:** This antibody is specific for human IL-13. It cross-reacts with cynomolgus monkey IL-13.

**Application Notes:** The original format of this antibody (mouse IgG1) showed binding activity against *E. coli*-expressed recombinant human IL-13 in a sandwich ELISA with an  $EC_{50}$  of 0.049 and 0.039  $\mu\text{g/ml}$  for human and cynomolgus IL-13. The antibody also exhibited potent binding and neutralization activities against various forms of IL-13. In inhibition assays, the antibody showed  $IC_{50}$  values of 0.165  $\mu\text{g/ml}$  for blocking human IL-13 binding to IL-13R $\alpha$ 1 and 0.056  $\mu\text{g/ml}$  for IL-13 binding to IL-13R $\alpha$ 2. Moreover, it demonstrated strong neutralization capabilities with  $ND_{50}$  (neutralizing dose) values of 0.0783  $\mu\text{g/ml}$  for human IL-13 and 0.04  $\mu\text{g/ml}$  for cynomolgus IL-13, indicating its efficacy in inhibiting IL-13-induced TF-1 cell proliferation (where the  $ND_{50}$  value is the concentration of monoclonal antibody required to reduce TF-1 cell proliferation by 50%, in response to a set concentration of IL-13). Furthermore, the antibody effectively neutralized mammalian-expressed human IL-13 with an  $ND_{50}$  value of 0.037  $\mu\text{g/ml}$  and a recombinant Q130 human IL-13 variant with an  $ND_{50}$  value of 0.110  $\mu\text{g/ml}$ . The binding affinity of the antibody was measured by SPR and found to be 32, 270, and 61.2 pM for det-1 tagged human IL-13, human IL-13, and cynomolgus IL-13, respectively (EP1802658B1).

**Antibody First Published in:** [PMID:](#)

**Note on publication:** The original publication describes the generation and characterization of an anti-human IL-13 antibody and its derivatives, including its humanization.

### 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.