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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

www.szabo-scandic.com

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

Anti-IL-34 [FAb1.1] Bulk Size Ab03933-10.0-BT

Isotype and Format: Human IgG1, Kappa

Clone Number: FAb1.1

Alternative Name(s) of Target: Interleukin-34; YW404.33.56

UniProt Accession Number of Target Protein: Q6ZMJ4

Published Application(s): Blocking, crystallization, neutralizing

Published Species Reactivity: Human, Mouse

Immunogen: The original antibody was generated by panning a Fab library against IL-34.

Specificity: The antibody is specific for human and murine IL-34. The antibody recognizes a largely continuous area at the junction of two IL-34 protomers. The epitope overlaps largely with binding epitopes responsible for CSF-1R binding.

Application Notes: The crystal structure of the Fab fragment of the antibody in complex with human IL-34 was determined. The original antibody was reformatted as an IgG molecules and the binding affinity of both formats measured by BLI experiments ($K_d = 17$ nM and 120 pM respectively). The antibody blocked the biological activity of IL-34 in human monocyte viability. The antibody neutralized IL-34 in a proliferation assays (Ma et al., 2012; PMID: 22483114).

Antibody First Published in: Ma et al. Structural basis for the dual recognition of helical cytokines IL-34 and CSF-1 by CSF-1R. Structure. 2012 Apr 4;20(4):676-87. [PMID:22483114](#)

Note on publication: The original paper shows the structure of IL-34 in complex with the Fab fragment of the antibody.

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.