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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

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Anti-IL-34 [FAb1.1] Standard Size Ab03933-10.3

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

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human Fab format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, 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: 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.