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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-IL-4 [25D2-9] Standard Size Ab03715-10.3

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 IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

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

Clone Number: 25D2-9

Alternative Name(s) of Target: IL4; BSF-1; Interleukin-4; B-cell stimulatory factor 1; Binetrakin; Lymphocyte stimulatory factor 1; Pitrakinra; MP4.25D2.11; ATCC HB 9809

UniProt Accession Number of Target Protein: P05112

Published Application(s): inhibit, ELISA

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing Lewis rat with 1ml of human IL-4. The humanized version of the antibody was created later by grafting CDRs from the original rat antibody onto human framework regions.

Specificity: This antibody binds human IL-4. Interleukin-4 is a cytokine secreted primarily by mast cells, T-cells, eosinophils, and basophils that plays a role in regulating antibody production, hematopoiesis and inflammation, and the development of effector T-cell responses. It induces differentiation of naive helper T cells (Th0 cells) to Th2 cells. It also induces expression of class II MHC molecules on resting B-cells and enhances both secretion and cell surface expression of IgE and IgG1.

Application Notes: The binding characterization of this antibody for human IL-4 was done using ELISA. This antibody was also capable of inhibiting binding of radiolabeled hIL-4 to recombinant hIL-4 receptors expressed on the Jijoye CJ cell line. This antibody was also reported to inhibit induction of human growth hormone in the germline epsilon reporter assay (US5597710; US5863537).

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

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.