

Biotin Conjugated Anti-Mouse IL-4 Antibody [PSH05-34]

HA722597B



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Mouse
Applications:	ELISA(Det)
Molecular Wt:	Predicted band size: 16 kDa
Clone number:	PSH05-34

Description: The interleukin 4 (IL4, IL-4) is a cytokine that induces differentiation of naive helper T cells (Th0 cells) to Th2 cells. Upon activation by IL-4, Th2 cells subsequently produce additional IL-4 in a positive feedback loop. IL-4 is produced primarily by mast cells, Th2 cells, eosinophils and basophils. It is closely related and has functions similar to IL-13. Interleukin 4 has many biological roles, including the stimulation of activated B cell and T cell proliferation, and the differentiation of B cells into plasma cells. It is a key regulator in humoral and adaptive immunity. IL-4 induces B cell class switching to IgE, and up-regulates MHC class II production. IL-4 decreases the production of Th1 cells, macrophages, IFN γ , and dendritic cells IL-12. Overproduction of IL-4 is associated with allergies.

Conjugate: Biotin-conjugated

Immunogen: Recombinant protein within Mouse IL-4 aa 21-140 (P07750).

Positive control: Recombinant standard Mouse IL-4 protein (HA210741).

Subcellular location: Secreted.

Database links: SwissProt: P07750 Mouse

Recommended Dilutions:

ELISA(Det) Use at an assay dependent concentration. Can be paired for Sandwich ELISA with Rabbit monoclonal [PSH05-33] to Mouse IL-4 (Capture) (HA722262) and recombinant standard Mouse IL-4 protein (HA210741). The reference range value is 8.2-2,000 pg/mL.

Storage Buffer: PBS (pH7.4), 0.1% BSA, 40% Glycerol. Preservative: 0.05% ProClin300.

Storage Instruction: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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No Images

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Baxter EW et al. Standardized protocols for differentiation of THP-1 cells to macrophages with distinct M(IFN γ +LPS), M(IL-4) and M(IL-10) phenotypes. J Immunol Methods. 2020 Mar
2. Dubin C et al. The IL-4, IL-13 and IL-31 pathways in atopic dermatitis. Expert Rev Clin Immunol. 2021 Aug

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