Biotin Conjugated Anti-Human IL-5 Antibody [PSH04-65] - Detector

HA722609B

Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human
Applications:	ELISA(Det)
Molecular Wt:	Predicted band size: 15 kDa
Clone number:	PSH04-65

Description: Interleukin 5 (IL-5) is an interleukin produced by type-2 T helper cells and mast cells. Through binding to the interleukin-5 receptor, interleukin 5 stimulates B cell growth and increases immunoglobulin secretion—primarily IgA. It is also a key mediator in eosinophil activation. IL-5 is a 115-amino acid (in human, 133 in the mouse) -long Th2 cytokine that is part of the hematopoietic family. Unlike other members of this cytokine family (namely interleukin 3 and GM-CSF), this glycoprotein in its active form is a homodimer. The IL-5 gene is located on chromosome 11 in the mouse, and chromosome 5 in humans, in close proximity to the genes encoding IL-3, IL-4, and granulocyte-macrophage colony-stimulating factor (GM-CSF), which are often co-expressed in Th2 cells. IL-5 is also expressed by eosinophils and has been observed in the mast cells of asthmatic airways by immunohistochemistry.[5] IL-5 expression is regulated by several transcription factors including GATA3.

Conjugate: Biotin-conjugated

Immunogen: Recombinant protein within Human IL-5 aa 20-134 (P05113).

Positive control: Recombinant Human IL-5 protein (HA210594).

Subcellular location: Secreted.

Database links: SwissProt: P05113 Human

Recommended Dilutions:

ELISA(Det) Use at an assay dependent concentration. Can be paired for Sandwich ELISA with Rabbit monoclonal [PSH04-64] to Human IL-5 (Capture) (HA722164) and recombinant standard Human IL-5 (HA210594). The reference range value is 12.3-1,000 pg/mL.

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

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

Purity: Protein A affinity purified.

No Images

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

Background References

1. Van Hulst G et al. Anti-IL5 mepolizumab minimally influences residual blood eosinophils in severe asthma. Eur Respir J. 2022 Mar
2. Laroche J et al. Anti-IL5/IL5R Treatment in COPD: Should We Target Oral Corticosteroid-Dependent Patients? Int J Chron Obstruct Pulmon Dis. 2023 May