

## Product Information

Contents: Biotin anti-human interleukin-5 (IL-5)

Catalog Number: 13-7059

Sizes: 50 ug, 500 ug

Formulation: Phosphate buffer pH 7.2,  
150 mM NaCl, 0.09% NaN<sub>3</sub>

Storage Conditions: Store at 4°C.

DO NOT FREEZE.

Clone: JES1-5A10

Isotype: Rat IgG2a, κ

### Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
12-7059	PE anti-human IL-5 (Interleukin-5)	488	575	IC
13-7059	Biotin anti-human IL-5 (Interleukin-5)	N/A	N/A	ELISA det ELISPOT det
16-7059	Functional Grade* Purified anti-human IL-5 (Interleukin-5)	N/A	N/A	BA

\*Functional Grade™ (FG™): Azide-free, sterile-filtered, and endotoxin < 0.001 ng/μg.  
Purified: Contains azide, not sterile-filtered, and not endotoxin tested.

## Description

The JES1-5A10 antibody reacts with human interleukin-5 (IL-5), also known as BCDF-α and eosinophil differentiation factor (EDF). This 15-20 kDa cytokine is secreted by T cells and exists as a homodimer.

## Usage

For research use only, not for diagnostic or therapeutic use. JES1-5A10 has been reported for use in detection of human IL-5 by ELISA.

## Applications Tested

The JES1-5A10 antibody has been tested as the detection antibody in a sandwich ELISA for analysis of human Interleukin-5 (IL-5) in combination with the purified TRFK5 (14-7052) antibody for capture and recombinant human IL-5 (14-8059) as the standard. A suitable range of concentrations of this antibody for ELISA detection is 0.5-2 μg/ml. A standard curve consisting of doubling dilutions of the recombinant standard over the range of 500 pg/ml - 4 pg/ml should be included in each ELISA plate.

## Related Products

Cat. 00-0000	eBioscience 10X ELISA Coating Buffer
Cat. 44-2404	Nunc MaxiSorp™ flat-bottom 96 well plate
Cat. 18-4100	Avidin Horse Radish Peroxidase (AV-HRP)
Cat. 00-4202	eBioscience ELISA Diluent Solution, 5X
Cat. 00-4203	Super AquaBlue ELISA Substrate
Cat. 14-7052	Affinity Purified anti-mouse/human IL-5 (Interleukin-5) (clone TRFK5)
Cat. 14-8059	Recombinant Human IL-5 (Interleukin-5)

## References

Abrams, J. S., M. G. Roncarolo, et al. (1992). "Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples." *Immunol Rev* 127: 5-24.

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