

## ARG21440 anti-IL5 antibody [JES1-5A10] (Biotin)

Package: 100 µg  
Store at: 4°C

### Summary

Product Description	Biotin-conjugated Rat Monoclonal antibody [JES1-5A10 ] recognizes IL5
Tested Reactivity	Hu, Bb, R. Mk
Tested Application	ELISA, ELISPOT, FACS, Neut
Specificity	Human/Rhesus/Cynomolgus/Baboon/Sooty Mangabey IL-5.
Host	Rat
Clonality	Monoclonal
Clone	JES1-5A10
Isotype	IgG2a, kappa
Target Name	IL5
Species	Human
Immunogen	COS-expressed human IL-5
Conjugation	Biotin
Alternate Names	Eosinophil differentiation factor; EDF; IL-5; TRF; T-cell replacing factor; B-cell differentiation factor I; Interleukin-5

### Application Instructions

Application table	Application	Dilution
	ELISA	1:1000 - 1:4000
	ELISPOT	Assay-dependent
	FACS	Assay-dependent
	Neut	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Buffer	PBS and 0.1% Sodium azide.
Preservative	0.1% Sodium azide
Concentration	0.5 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Database links	<a href="#">GeneID: 3567 Human</a> <a href="#">Swiss-port # P05113 Human</a>
Gene Symbol	IL5
Gene Full Name	interleukin 5
Background	This gene encodes a cytokine that acts as a growth and differentiation factor for both B cells and eosinophils. The encoded cytokine plays a major role in the regulation of eosinophil formation, maturation, recruitment and survival. The increased production of this cytokine may be related to pathogenesis of eosinophil-dependent inflammatory diseases. This cytokine functions by binding to its receptor, which is a heterodimer, whose beta subunit is shared with the receptors for interleukine 3 (IL3) and colony stimulating factor 2 (CSF2/GM-CSF). This gene is located on chromosome 5 within a cytokine gene cluster which includes interleukin 4 (IL4), interleukin 13 (IL13), and CSF2 . This gene, IL4, and IL13 may be regulated coordinately by long-range regulatory elements spread over 120 kilobases on chromosome 5q31. [provided by RefSeq, Jul 2013]
Function	Factor that induces terminal differentiation of late-developing B-cells to immunoglobulin secreting cells. [UniProt]
Calculated Mw	15 kDa