

ARG21442 anti-IL5 antibody [JES1-39D10] (Biotin)

Package: 250 µg
Store at: 4°C

Summary

Product Description	Biotin-conjugated Rat Monoclonal antibody [JES1-39D10] recognizes IL5
Tested Reactivity	Hu
Tested Application	ELISA, ELISPOT, FACS, ICC/IF, IHC-Fr, Neut
Specificity	Human IL-5.
Host	Rat
Clonality	Monoclonal
Clone	JES1-39D10
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
	ICC/IF	Assay-dependent
	IHC-Fr	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

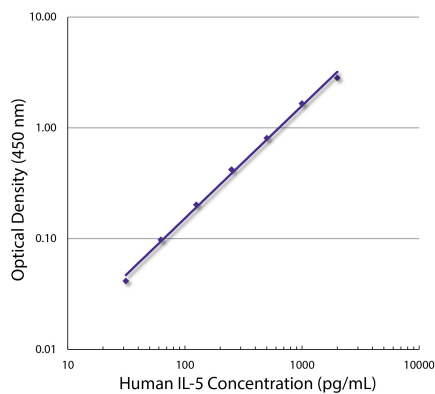
Form	Liquid
Buffer	PBS and 0.1% Sodium azide.
Preservative	0.1% Sodium azide
Concentration	0.5 mg/ml

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

Database links	GeneID: 3567 Human Swiss-port # P05113 Human
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

Images



ARG21442 anti-IL5 antibody [JES1-39D10] (Biotin) standard curve image

ELISA: Human IL-5 detected by [ARG21439](#) anti-IL5 antibody [JES1-5A10] as capture antibody, and [ARG21442](#) anti-IL5 antibody [JES1-39D10] (Biotin) as detection antibody, follow by incubation with streptavidin-HRP.