

## ARG21470 anti-IL5 antibody [TRFK4] (Biotin)

Package: 100 µg  
Store at: 4°C

### Summary

Product Description	Biotin-conjugated Rat Monoclonal antibody [TRFK4 ] recognizes IL5
Tested Reactivity	Ms
Tested Application	ELISA, ELISPOT, ICC/IF, IHC-Fr, Neut, Puri
Specificity	Mouse IL-5.
Host	Rat
Clonality	Monoclonal
Clone	TRFK4
Isotype	IgG2a, kappa
Target Name	IL5
Species	Mouse
Immunogen	Semi-purified T cell clone supernatant
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 - 1:2000
	ELISPOT	Assay-dependent
	ICC/IF	Assay-dependent
	IHC-Fr	Assay-dependent
	Neut	Assay-dependent
	Puri	Assay-dependent

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

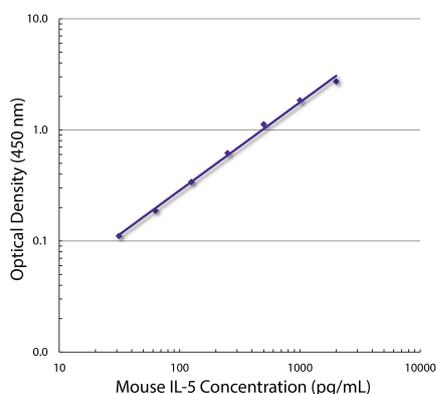
Form	Liquid
Buffer	PBS and 0.1% Sodium azide.
Preservative	0.1% Sodium azide
Concentration	0.5 mg/ml

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	<a href="#">GeneID: 16191 Mouse</a> <a href="#">Swiss-port # P04401 Mouse</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

## Images



ARG21470 anti-IL5 antibody [TRFK4] (Biotin) standard curve image

ELISA: Mouse IL-5 detected by [ARG21467](#) anti-IL5 antibody [TRFK5] as capture antibody ([ARG21468](#): Azide free version), and [ARG21470](#) anti-IL5 antibody [TRFK4] (Biotin) as detection antibody, follow by incubation with streptavidin-HRP.