

## ARG80907 Mouse IL5 ELISA kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG80907 Mouse IL5 ELISA kit is a Enzyme Immunoassay kit for the quantification of Mouse IL5 in Serum, Plasma, Cell culture supernatants
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with GM-CSF, IL3, IL5R $\alpha$ .
Target Name	IL5
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	8 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 $\mu$ l
Precision	CV: less than10%
Alternate Names	Eosinophil differentiation factor; EDF; IL5; TRF; T-cell replacing factor; B-cell differentiation factor I; Interleukin-5

### Application Instructions

Assay Time	4 hours
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### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	IL5
Gene Full Name	interleukin 5
Background	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. Interleukin-5 is also expressed by eosinophils[4] and has been observed in the mast cells of asthmatic airways by immunohistochemistry. IL-5 expression is regulated by several transcription factors including GATA3. [IL-5 wiki]

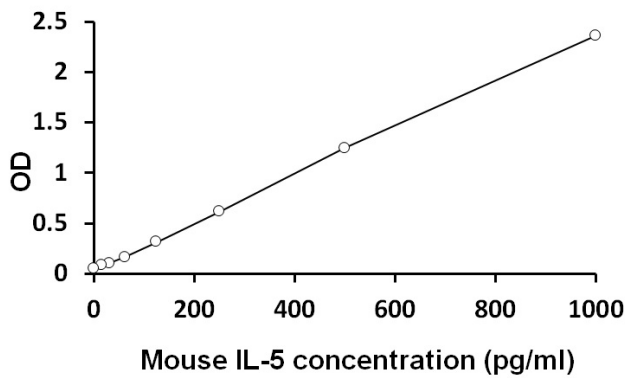
IL5 is a cytokine that acts as a growth and differentiation factor for both B cells and eosinophils. IL5 plays a major role in the regulation of eosinophil formation, maturation, recruitment and survival. The increased production of IL5 may be related to pathogenesis of eosinophil-dependent inflammatory diseases. IL5 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). [provided by RefSeq, Jul 2013]

**Function** Factor that induces terminal differentiation of late-developing B-cells to immunoglobulin secreting cells. [UniProt]

**Highlight** Related products:  
[IL5 antibodies](#); [IL5 ELISA Kits](#); [IL5 recombinant proteins](#);  
New ELISA data calculation tool:  
[Simplify the ELISA analysis by GainData](#)

**Research Area** Cancer kit; Immune System kit

## Images



ARG80907 Mouse IL5 ELISA kit standard curve image

ARG80907 Mouse IL5 ELISA kit results of a typical standard run with optical density reading at 450 nm.