

**ARG56805**  
anti-IL13 antibody (Biotin)Package: 50 µg  
Store at: 4°C

### Summary

Product Description	Biotin-conjugated Rabbit Polyclonal antibody recognizes IL13
Tested Reactivity	Rat
Tested Application	ELISA, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IL13
Species	Rat
Immunogen	E.coli derived Recombinant Rat IL-13 (113 aa). (TPGPVRRSTS PPVALRELIE ELSNITQDQK TSLCNSSIVW SVDLTAGGFC AALESLETNIS SCNAIHRTQR ILNGLCNQKA SDVASSPPDT KIEVAQFISK LLNYSKQLFR YGH)
Conjugation	Biotin
Alternate Names	Interleukin-13; P600; IL-13

### Application Instructions

Application table	Application	Dilution
	ELISA	Direct: ~ 1.0 µg/ml Sandwich: 0.25 - 1.0 µg/ml with ARG56696 as a capture antibody
	WB	0.1 - 0.2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

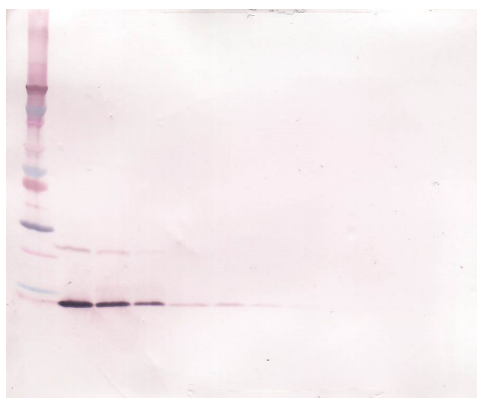
Form	Liquid
Purification	Purified by affinity chromatography.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody 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: 116553 Rat</a> <a href="#">Swiss-port # P42203 Rat</a>
Gene Symbol	Il13
Gene Full Name	interleukin 13
Background	This gene encodes an immunoregulatory cytokine produced primarily by activated Th2 cells. This cytokine is involved in several stages of B-cell maturation and differentiation. It up-regulates CD23 and MHC class II expression, and promotes IgE isotype switching of B cells. This cytokine down-regulates macrophage activity, thereby inhibits the production of pro-inflammatory cytokines and chemokines. This cytokine is found to be critical to the pathogenesis of allergen-induced asthma but operates through mechanisms independent of IgE and eosinophils. This gene, IL3, IL5, IL4, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL4. [provided by RefSeq, Jul 2008]
Function	Cytokine. Inhibits inflammatory cytokine production. Synergizes with IL2 in regulating interferon-gamma synthesis. May be critical in regulating inflammatory and immune responses. [UniProt]
Calculated Mw	16 kDa

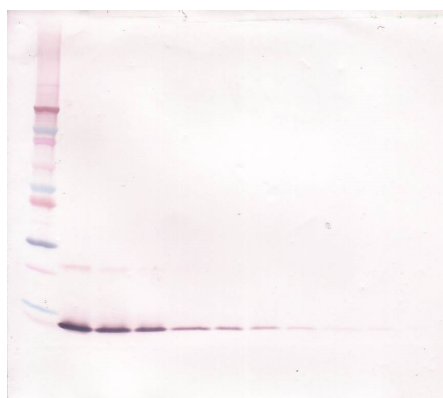
## Images

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ARG56805 anti-IL13 antibody (Biotin) WB image

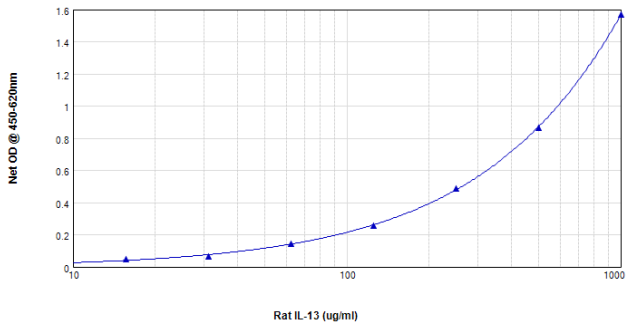
Western blot: 250 - 0.24 ng of Rat IL-13 stained with ARG56805 anti-IL13 antibody (Biotin), under reducing conditions.



ARG56805 anti-IL13 antibody (Biotin) WB image

Western blot: 250 - 0.24 ng of Rat IL-13 stained with ARG56805 anti-IL13 antibody (Biotin), under non-reducing conditions.

Bt Rabbit Anti-Rat IL-13



ARG56805 anti-IL13 antibody (Biotin) standard curve image

Sandwich ELISA: ARG56805 anti-IL13 antibody (Biotin) as a detection antibody at 0.25 - 1.0 µg/ml combined with ARG56696 anti-IL13 antibody as a capture antibody. Results of a typical standard run with optical density.