

## ARG56791 anti-IL21 antibody (Biotin)

Package: 50 µg  
Store at: 4°C

### Summary

Product Description	Biotin-conjugated Rabbit Polyclonal antibody recognizes IL21
Tested Reactivity	Ms
Tested Application	ELISA, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IL21
Species	Mouse
Immunogen	E.coli derived Recombinant Mouse IL-21. (MHKSSPQGPD RLLIRLRHLI DIVEQLKIYE NDLDPELLSA PQDVKGHCEH AAFACFQKAK LKPSNPGNNK TFIIDLVAQL RRRLPARRGG KKQKHIKCP SCDSYEK RTP KEFLERLKW LQKMIHQHLS)
Conjugation	Biotin
Alternate Names	Za11; IL-21; CVID11; Interleukin-21

### Application Instructions

Application table	Application	Dilution
	ELISA	Direct: 0.25 - 1.0 µg/ml Sandwich: 0.25 - 1.0 µg/ml with ARG56681 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 [GeneID: 60505 Mouse](#)  
[Swiss-port # Q9ES17 Mouse](#)

Gene Symbol IL21

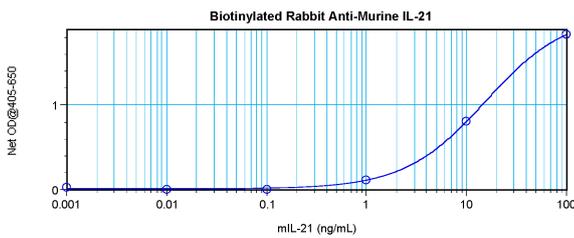
Gene Full Name interleukin 21

**Background** This gene encodes a member of the common-gamma chain family of cytokines with immunoregulatory activity. The encoded protein plays a role in both the innate and adaptive immune responses by inducing the differentiation, proliferation and activity of multiple target cells including macrophages, natural killer cells, B cells and cytotoxic T cells. Dysregulation of this gene plays a role in multiple immune-mediated diseases including lupus, psoriasis and chronic inflammatory diseases. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]

**Function** Cytokine with immunoregulatory activity. May promote the transition between innate and adaptive immunity. Induces the production of IgG(1) and IgG(3) in B-cells (By similarity). May play a role in proliferation and maturation of natural killer (NK) cells in synergy with IL15. May regulate proliferation of mature B- and T-cells in response to activating stimuli. In synergy with IL15 and IL18 stimulates interferon gamma production in T-cells and NK cells. During T-cell mediated immune response may inhibit dendritic cells (DC) activation and maturation. [UniProt]

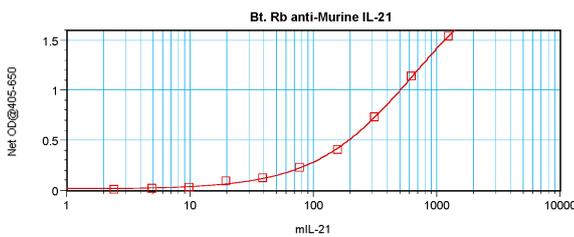
Calculated Mw 19 kDa

## Images



ARG56791 anti-IL21 antibody (Biotin) standard curve image

Direct ELISA: ARG56791 anti-IL21 antibody (Biotin) at 0.25 - 1.0  $\mu$ g/ml results of a typical standard run with optical density.



ARG56791 anti-IL21 antibody (Biotin) standard curve image

Sandwich ELISA: ARG56791 anti-IL21 antibody (Biotin) as a detection antibody at 0.25 - 1.0  $\mu$ g/ml combined with ARG56681 anti-IL21 antibody as a capture antibody. Results of a typical standard run with optical density.