

Product datasheet

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ARG56793 anti-IL7 antibody (Biotin)

Package: 50 μg Store at: 4°C

Summary

Product Description Biotin-conjugated Rabbit Polyclonal antibody recognizes IL7

Tested Reactivity Rat

Tested Application ELISA, WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name IL7

Species Rat

Immunogen E.coli derived Recombinant Rat IL-7.

(MDCHIKDKDG KAFGSVLMIS INQLDKMTGT DSDCPNNEPN FFKKHLCDDT KEAAFLNRAA RKLRQFLKMN

ISEEFNDHLL RVSDGTQTLV NCTSKEEKTI KEQKKNDPCF LKRLLREIKT CWNKILKGSI)

Conjugation Biotin

Alternate Names IL-7; Interleukin-7

Application Instructions

Application table	Application	Dilution
	ELISA	Direct: $^{\sim}$ 1.0 µg/ml Sandwich: 0.25 - 1.0 µg/ml with ARG56684 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: 25647 Rat

Gene Symbol 117

Gene Full Name interleukin 7

Background The protein encoded by this gene is a cytokine important for B and T cell development. This cytokine

and the hepatocyte growth factor (HGF) form a heterodimer that functions as a pre-pro-B cell growth-stimulating factor. This cytokine is found to be a cofactor for V(D)J rearrangement of the T cell receptor beta (TCRB) during early T cell development. This cytokine can be produced locally by intestinal epithelial and epithelial goblet cells, and may serve as a regulatory factor for intestinal mucosal lymphocytes. Knockout studies in mice suggested that this cytokine plays an essential role in lymphoid cell survival. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Additional splice variants have been described but their presence in normal tissues has not been

confirmed.[provided by RefSeq, Dec 2010]

Function Hematopoietic growth factor capable of stimulating the proliferation of lymphoid progenitors. It is

important for proliferation during certain stages of B-cell maturation. [UniProt]

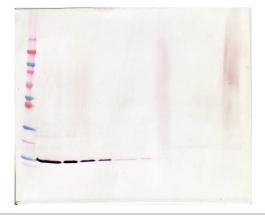
Calculated Mw 20 kDa

Images



ARG56793 anti-IL7 antibody (Biotin) WB image

Western blot: 250 - 0.24 ng of Rat IL-7 stained with ARG56793 anti-IL7 antibody (Biotin), under reducing conditions.



ARG56793 anti-IL7 antibody (Biotin) WB image

Western blot: 250 - 0.24 ng of Rat IL-7 stained with ARG56793 anti-IL7 antibody (Biotin), under non-reducing conditions.