

Product datasheet

info@arigobio.com

ARG56684 anti-IL7 antibody

Package: 50 μg Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes IL7

Tested Reactivity Rat

Tested Application ELISA, Neut, 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 Un-conjugated

Alternate Names IL-7; Interleukin-7

Application Instructions

Application table	Application	Dilution
	ELISA	Sandwich: 0.5 - 2.0 μg/ml with ARG56793 as a detection antibody
	Neut	0.14 - $0.21~\mu g/ml$ (To yield [ND50] of the biological activity of Rat IL - 7 (5.0 ng/ml))
	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 Affinity purification with immunogen.

Buffer PBS (pH 7.2)

Concentration 1 mg/ml

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. 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

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

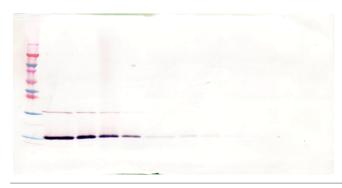
confirmed.[provided by RefSeq, Dec 2010]

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]

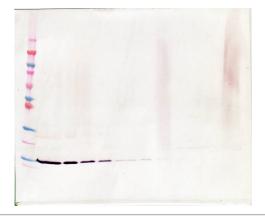
Calculated Mw 20 kDa

Images



ARG56684 anti-IL7 antibody WB image

Western blot: 250 - 0.24 ng of Rat IL-7 stained with ARG56684 anti-IL7 antibody, under reducing conditions.



ARG56684 anti-IL7 antibody WB image

Western blot: 250 - 0.24 ng of Rat IL-7 stained with ARG56684 anti-IL7 antibody, under non-reducing conditions.