

## ARG21449 anti-IL7 antibody [BVD10-40F6] (low endotoxin)

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Azide free and low endotoxin Rat Monoclonal antibody [BVD10-40F6 ] recognizes IL7
Tested Reactivity	Hu
Tested Application	ELISA, ICC/IF, Neut
Specificity	Human IL-7.
Host	Rat
Clonality	Monoclonal
Clone	BVD10-40F6
Isotype	IgG1, kappa
Target Name	IL7
Species	Human
Immunogen	E. coli-expressed human IL-7
Conjugation	Un-conjugated
Alternate Names	IL-7; Interleukin-7

### Application Instructions

Application table	Application	Dilution
	ELISA	< 5 µg/ml
	ICC/IF	Assay-dependent
	Neut	Assay-dependent

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification Note	Low endotoxin
Buffer	PBS
Concentration	0.5 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. 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: 3574 Human](#)

[Swiss-port # P13232 Human](#)

### Gene Symbol

IL7

### 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]

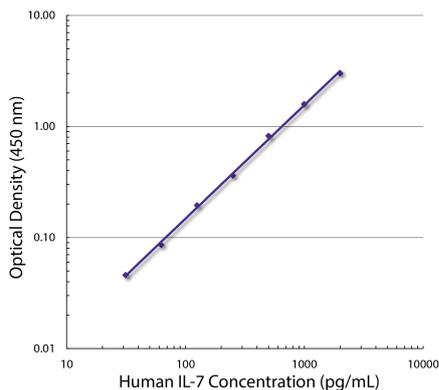
### Function

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



ARG21449 anti-IL7 antibody [BVD10-40F6] (low endotoxin) standard curve image

ELISA: Human IL-7 detected by [ARG21448](#) anti-IL7 antibody [BVD10-40F6] as capture antibody ([ARG21449](#): Low endotoxin version), and [ARG22189](#) anti-IL7 antibody [BVD10-11C10] (Biotin) as detection antibody, follow by incubation with streptavidin-HRP.