

## ARG21448 anti-IL7 antibody [BVD10-40F6]

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	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

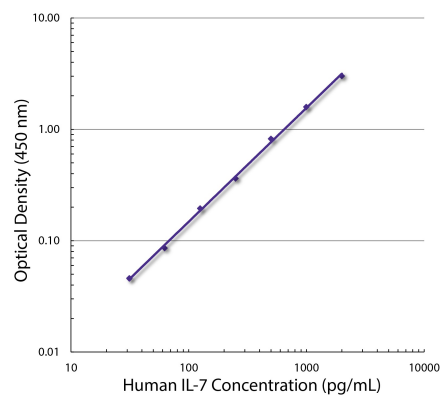
Application table	Application	Dilution
	ELISA	< 5 µg/ml
	ICC/IF	Assay-dependent
	Neut	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Buffer	BBS (pH 8.2)
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.

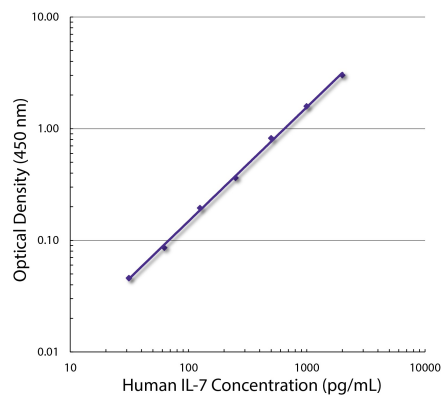
Database links	<a href="#">GeneID: 3574 Human</a> <a href="#">Swiss-port # P13232 Human</a>
Gene Symbol	IL7
Gene Full Name	interleukin 7
Background	The protein encoded by this gene is a cytokine important for B and T cell development. This cytokine and the hepatocyte growth factor (HGF) form a heterodimer 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



ARG21448 anti-IL7 antibody [BVD10-40F6] standard curve image

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



ARG21448 anti-IL7 antibody [BVD10-40F6] standard curve image

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