ARG22189
anti-IL7 antibody [BVD10-11C10] (Biotin)

Package: 100 µg
Store at: 4°C

Summary

Product Description	Biotin-conjugated Rat Monoclonal antibody [BVD10-11C10] recognizes IL7
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	Human IL-7
Host	Rat
Clonality	Monoclonal
Clone	BVD10-11C10
Isotype	IgG2a, kappa
Target Name	IL7
Species	Human
Immunogen	E. coli-expressed Human IL-7
Conjugation	Biotin
Alternate Names	IL-7; Interleukin-7

Application Instructions

Application table

Application	Dilution
ELISA	1:500 - 1:1000

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

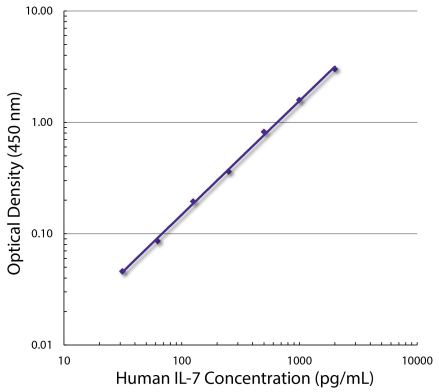
Properties

Form	Liquid
Buffer	PBS and 0.1% Sodium azide.
Preservative	0.1% Sodium azide
Concentration	0.5 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

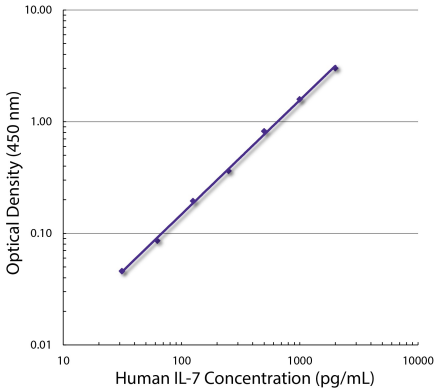
Database links	GeneID: 3574 Human Swiss-port # P13232 Human
Gene Symbol	IL7
Gene Full Name	interleukin 7
Background	The protein encoded by this gene is a cytokine important for B and T cell development. This cytokine and the hepatocyte growth factor (HGF) form a heterodimer that functions as a pre-pro-B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



ARG22189 anti-IL7 antibody [BVD10-11C10] (Biotin) 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).



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