

Datasheet

IL7 monoclonal antibody, clone BVD10-11C10 (Biotin)

Catalog Number: MAB5872

Regulation Status: For research use only (RUO)

Product Description: Rat monoclonal antibody raised against recombinant IL7.

Clone Name: BVD10-11C10

Immunogen: Recombinant protein corresponding to human IL7.

Host: Rat

Reactivity: Human

Applications: ELISA

(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: human Interleukin-7 (IL-7)1,2. This is a neutralizing antibody.

Form: Liquid

Conjugation: Biotin

Isotype: IgG2a, kappa

Recommend Usage: The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.09% sodium azide)

Storage Instruction: Store at 4°C.

Entrez GeneID: 3574

Gene Symbol: IL7

Gene Alias: IL-7

Gene Summary: 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. [provided by RefSeq]

References:

1. Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples. Abrams JS, Roncarolo MG, Yssel H, Andersson U, Gleich GJ, Silver JE. Immunol Rev. 1992 Jun;127:5-24.