

IL7 monoclonal antibody, clone BVD10-40F6

Catalog # MAB3298

Size 500 ug

Specification

Product Description	Rat monoclonal antibody raised against recombinant IL7.
Immunogen	Recombinant protein corresponding to human IL7.
Host	Rat
Reactivity	Human
Specificity	human Interleukin-7 (IL-7).
Form	Liquid
Isotype	IgG1
Recommend Usage	Western Blot (1-5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 100 mM BBS, pH 8.2
Storage Instruction	Store at 4°C.

Applications

- Western Blot

Gene Info — IL7

Entrez GeneID	3574
Gene Name	IL7
Gene Alias	IL-7

Gene Description	interleukin 7
Omim ID	146660
Gene Ontology	Hyperlink
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]
Other Designations	IL7 nirs variant 6

Publication Reference

- [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.

Immunological Reviews 2006 Jun; 127:5.

Application: Blocking, ELISA, Human, Supernatants from cells cultured and stimulated ex vivo with different agents and biological fluids like sera/plasma, bronchoalveolar lavage, ascites, urines, cerebrospinal fluids, saliva, and sputa.

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Hematopoietic cell lineage](#)
- [Jak-STAT signaling pathway](#)

Disease

- [Asthma](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)

- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Multiple Sclerosis](#)
- [Respiratory Syncytial Virus Infections](#)