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Product datasheet for AM31208AF-N

IL7 Mouse Monoclonal Antibody [Clone ID: B-S16]

Product data:

Product Type:	Primary Antibodies
Clone Name:	B-S16
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human IL7.
Specificity:	Recognizes the soluble antigen. Recognizes both natural and recombinant Human IL-7.
Formulation:	Phosphate-buffered saline without Carrier and preservatives. This prodcut is sterile-filtered through 0.22 µm and treated to remove Endotoxins. State: Azide Free State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Ion Exchange Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 7
Database Link:	Entrez Gene 3574 Human P13232

View online »

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Background:	Interleukin 7 (IL7) is a lymphoid cell growth factor that affects pre-B, pro-B, and early T cells. IL7 was previously known as pre-B cell growth factor and lymphopoietin 1. IL7 supports the growth of early B cells from long-term lymphoid bone marrow cultures. It is mitogenic to thymocytes and enhances the response of cells to other stimuli such as polyhydroxyalkanoate (PHA) and concanavalin A (ConA). IL7 stimulates the proliferation of CD4+/CD8+ cells. The proliferative response of thymocytes to IL7 is not affected by antibodies to the T cell growth factors such as IL2, IL4 and IL6, suggesting that IL7 is capable of stimulating T cell proliferation through a pathway independent of the known T cell growth factors. Mature T cells respond to IL7 and Con A, but not to IL7 alone. In myeloid lineage cells, IL7 upregulates the production of pro-inflammatory cytokines and stimulates the tumoricidal activity of monocytes/macrophages. IL7 is expressed by adherent stromal cells from various tissues.
Synonyms:	IL-7
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway

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