

IL7

Mouse Anti-Human IL-7 Clone B-N18 Azide Free Capture mAb

Catalog No.	CDM403	Quantity:	1.0 mg
Alternate Names:	IL-7		
Description:	<p>Mouse Anti-Human IL-7 Clone B-N18 Azide Free Capture mAb</p> <p>Background: Interleukin 7 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.</p>		
Concentration:	1.0 mg / 1.0 ml		
Gene ID:	3574		
Conjugate:	Unconjugated		
Specificity:	Recognizes both natural and recombinant IL-7		
Host:	Mouse		
Immunogen:	Recombinant human IL-7		
Isotype:	IgG1		
Clone:	B-N18		
Hybridoma:	Myeloma X63/AG.8653 x Balb/c spleen cells		
Formulation:	Liquid in PBS. Sterile-filtered through 0.22 µm. Carrier and Preservative free.		
Purification:	Ion exchange chromatography		
Applications:	ELISA Capture Antibody. This antibody can be used as a Capture Antibody in a human IL-7 sandwich Immunoassay to detect human IL-7 in combination with biotinylated human IL-7 Detection Antibody (Cat No CDM427). The suggested coating concentration range below should be optimized by each laboratory for each application.		
Application Notes:	ELISA: 0.5-2.5 µg/ml		
Storage & Stability:	Store at 2-8°C for 12 months. For longer storage, freeze aliquots at -20°C. Avoid repeated freeze-thaw cycles.		

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