IL7
Mouse Anti-Human IL-7 Clone B-S16 Biotin Detection mAb

Catalog No.	CDM427	**Quantity:**	100 µg
Alternate Names:	IL-7, IL7		

Description: Mouse Anti-Human IL-7 Clone B-S16 Biotin Detection mAb
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.

Concentration: 0.1 mg / 1.0 ml

Gene ID: 3574

Conjugated: Biotin

Specificity: Recognizes both natural and recombinant IL-7

Host: Mouse

Immunogen: Recombinant IL-7

Isotype: IgG1

Clone: B-S16

Hybridoma: Myeloma X63/AG.8653 x Balb/c spleen cells

Formulation: Phosphate-buffered saline. With 1% BSA and 0.09% Sodium Azide. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.

Purification: Ion exchange chromatography

Applications: ELISA Detection Antibody. This antibody can be used as Detection Antibody in a human IL-7 sandwich Immunoassay to detect human IL-7 in combination with human IL-7 Capture Antibody (Cat No CDM403). The suggested coating concentration range below should be optimized by each laboratory for each application.

Application Notes: ELISA: 0.05-0.5 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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