

## IL7

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

**Catalog No.** CDM097 **Quantity:** 500 µg

**Description:** Mouse Anti-Human IL-7 Clone B-N18 Azide Free 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:** 500 µg / 500 µl

**Gene ID:** 3574

**Specificity:** Recognizes both natural and recombinant human IL-7

**Host:** Mouse

**Immunogen:** Recombinant human IL-7

**Isotype:** IgG1k

**Clone:** B-N18

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

**Formulation:** Phosphate-buffered saline. Sterile-filtered through 0.22 µm. Carrier and preservative free.

**Purification:** Ion exchange chromatography

**Applications:** ELISA

**Application Notes:** 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). Suggested concentration range:  
ELISA Capture Antibody: 0.5-2.5 µg/ml  
The optimal concentration should be determined by the user for each specific application.

**Storage & Stability:** Stable at 2-8°C for 12 months. For longer storage, freeze aliquots. **Avoid repeated freeze-thaw cycles.**

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

