



## Mouse Anti-Human IL-7 monoclonal antibody, clone NN17 (CABT-ZB496)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Specificity</b>	It reacts with Human IL-7
<b>Target</b>	IL7
<b>Immunogen</b>	Recombinant Human IL7/IL-7/Interleukin-7 Protein
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	NN17
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA(cap) This antibody will detect IL-7 in antibody pair set. [ABPR-ZB071]
<b>Preparation</b>	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human IL7/IL-7/Interleukin-7. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	50 µL, 100 µL, 200 µL, 1 mL

<b>Buffer</b>	PBS
<b>Preservative</b>	None
<b>Storage</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	IL7, also known as interleukin 7, is a hematopoietic growth factor that belongs to the IL-7/IL-9 family. It is secreted by stromal cells in the bone marrow and thymus. IL7 stimulates the proliferation of lymphoid progenitors. It is important for proliferation during certain stages of B-cell maturation. IL7 and the hepatocyte growth factor (HGF) form a heterodimer that functions as a pre-pro-B cell growth-stimulating factor. It is found to be a cofactor for V(D)J rearrangement of the T cell receptor beta (TCR $\beta$ ) during early T cell development. IL7 can be produced locally by intestinal epithelial and epithelial goblet cells and may serve as a regulatory factor for intestinal mucosal lymphocytes.
---------------------	--

<b>Keywords</b>	IL8; CXCL8; AMCF-I; interleukin-8
-----------------	-----------------------------------

## GENE INFORMATION

<b>Synonyms</b>	IL8; CXCL8; AMCF-I; interleukin-8; IL-8; C-X-C motif chemokine 8; chemokine (C-X-C motif) ligand 8; alveolar macrophage chemotactic factor I; alveolar macrophage-derived chemotactic factor-I
<b>Entrez Gene ID</b>	<a href="#">3576</a>
<b>UniProt ID</b>	<a href="#">P10145</a>