



# Rat anti Mouse IL17 monoclonal antibody, clone 61212 (CABT-L314)

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

## PRODUCT INFORMATION

<b>Specificity</b>	Detects mouse IL-17 in ELISAs and Western blots. In direct ELISAs, 100% reactivity with recombinant mouse (rm) IL-17A/IL-17F heterodimer, 50% cross-reactivity with recombinant human IL-17, and 25% cross-reactivity with recombinant canine IL-17 is observed. No cross-reactivity with rmIL-17B, rmIL-17C, rmIL-17D, rmIL-17E, or rmIL-17F is observed.
<b>Target</b>	IL-17
<b>Immunogen</b>	E. coli-derived recombinant mouse IL-17, Thr22-Ala158, Accession #Q62386
<b>Isotype</b>	IgG2A
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	61212
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA(Cap), WB
<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Format</b>	Lyophilized; Small package size(SP): Liquid
<b>Size</b>	100 µg, 500 µg
<b>Buffer</b>	PBS with Trehalose

<b>Preservative</b>	None
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.
<b>Ship</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C.

## BACKGROUND

<b>Introduction</b>	Interleukin 17 (also known as CTLA-8) is a T cell-expressed pleiotropic cytokine that exhibits a high degree of homology to a protein encoded by the ORF13 gene of herpes virus Saimiri. cDNA clones encoding IL-17 have been isolated from activated rat, mouse and human T cells. Mouse IL-17 cDNA encodes a 158 amino acid (aa) residue precursor protein with a 21 amino acid residue signal peptide that is cleaved to yield the 137 aa residue mature IL-17. Both recombinant and natural IL-17 have been shown to exist as disulfide linked homodimers. At the amino acid level, mouse IL-17 shows 57% and 87% sequence identity with herpes virus and rat IL-17, respectively. An IL-17 specific mouse cell surface receptor (IL-17 R) has been cloned. While the expression of IL-17 mRNA is restricted to activated alpha beta b TCR+CD4-CD8-T cells, the expression of mouse IL-17 R mRNA has been detected in virtually all cells and tissues tested. IL-17 exhibits multiple biological activities on a variety of cells including: the induction of IL-6 and IL-8 production in fibroblasts; the enhancement of surface expression of ICAM-1 in fibroblasts; activation of NF-kappa B and costimulation of T cell proliferation.
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<b>Keywords</b>	CTLA-8;CTLA8cytotoxic T-lymphocyte-associated serine esterase 8;Cytotoxic T-lymphocyte-associated antigen 8;IL17;IL-17;IL17A;IL-17A;IL-17Acytotoxic T-lymphocyte-associated protein 8;IL-17CTLA-8;IL17interleukin-17A;interleukin 17 (cytotoxic T-lymphocyte-associated serine esterase 8);interleukin 17A
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## GENE INFORMATION

<b>Entrez Gene ID</b>	<a href="#">16171</a>
<b>UniProt ID</b>	<a href="#">Q62386</a>