



Mouse Anti-Human IL17A monoclonal antibody, clone 75EFD28 (CABT-BL7718U)

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

PRODUCT INFORMATION

Product Overview	Mouse Anti-Human IL17A monoclonal antibody, clone 75EFD28
Specificity	This antibody reacts with human IL-17A. It is a neutralizing antibody.
Isotype	IgG1, κ
Source/Host	Mouse
Species Reactivity	Hamster, Human, Mouse, Non-human primate, Rat, Rhesus monkey, Sheep
Clone	75EFD28
Purification	Affinity purified
Conjugate	Unconjugated
Applications	ELISA, FC, IHC, IF, ICC, RIA, Neut
Format	Liquid
Concentration	Lot specific
Size	100 µg
Buffer	PBS, pH 7.2
Preservative	0.09% sodium azide
Storage	The antibody solution should be stored undiluted between 2°C and 8°C
Ship	Wet ice

BACKGROUND

Introduction	Interleukin-17A (IL-17A, CTLA-8) is a CD4+ T cell-derived cytokine that promotes inflammatory responses in cell lines and is elevated in rheumatoid arthritis, asthma, multiple sclerosis, psoriasis, and transplant rejection. IL-17A is a 32 kDa long, disulfide-linked homodimer consisting of 136 amino acids that is a member of a six-species family of proteins (IL-17A-17F) and signals through the IL-17 receptor (IL-17R/CDw217). High levels of IL-17A homodimer are produced by activated peripheral blood CD4+ T-cells, and IL-17A also enhances expression of the intracellular adhesion molecule-1 (ICAM-1) in human fibroblasts. In particular, human IL-17A also stimulates epithelial, endothelial, or fibroblastic cells to secrete IL-6, IL-8, G-CSF, and PGE2. In the presence of human IL-17A, fibroblasts can sustain the proliferation of CD34+ hematopoietic progenitors and induce maturation into neutrophils. Mouse, rat, and human IL-17A can induce IL-6 secretion in mouse stromal cells, indicating that all homologs can recognize the mouse receptor. IL-17A regulates the activities of NF-kappa B and mitogen-activated protein kinases, stimulates the expression of IL-6 and cyclooxygenase-2 (PTGS2/COX-2), and enhances the production of nitric oxide (NO).
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Keywords	IL17A;interleukin 17A;IL17;CTLA8;IL-17;IL-17A;toxic T-lymphocyte-associated antigen 8;otoxic T-lymphocyte-associated protein 8;cytotoxic T-lymphocyte-associated serine esterase 8;interleukin 17 (cytotoxic T-lymphocyte-associated serine esterase 8)
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GENE INFORMATION

Official Symbol	Marmoset interleukin IL17
Synonyms	IL17A; interleukin 17A; IL17; CTLA8; IL-17; IL-17A; toxic T-lymphocyte-associated antigen 8; ototoxic T-lymphocyte-associated protein 8; cytotoxic T-lymphocyte-associated serine esterase 8; interleukin 17 (cytotoxic T-lymphocyte-associated serine esterase 8)