

Rat Anti-IL17A Monoclonal Antibody

Cat. No. DMABT-H18989 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Rat Anti-IL17A Monoclonal Antibody
Species	Mouse
Source	Rat
Antigen Description	IL-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. Recent study has shown that IL-17 is produced by Th cells (Th17) that are distinct from the traditional Th1- and Th2-cell subsets. IL-23 plays an important role in triggering IL-17 production. Both recombinant and natural IL-17 have been shown to exist as disulfide linked homodimers. IL-17 exhibits multiple biological activities on a variety of cells including: the induction of IL-6 and IL-8 production in fibroblasts, activation of NF-kappa B, and costimulation of T cell proliferation. IL-17 is an essential inflammatory mediator in the development of autoimmune diseases. Neutralization of IL-17 with monoclonal antibody is able to ameliorate the disease course.
Target	IL17A
Immunogen	E. coli-expressed, recombinant mouse IL-17A
Isotype	IgG1, kappa
species	Mouse

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Clone	UD22-29I20.2
Conjugation	Alexa Fluor 488
Applications	N/A
Preparation	The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor 488 under optimal conditions. The solution is free of unconjugated Alexa Fluor 488.
Usage recommendation	Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 0.25 μ g per million cells in 100 μ l volume. It is recommended that the reagent be titrated for optimal performance for each application. * Alexa Fluor 488 has a maximum emission of 519 nm when it is excited at 488 nm. ** Alexa Fluor 488 is a registered trademark of Molecular Probes, Inc. Alexa Fluor 488 dye antibody conjugates are sold under license from Molecular Probes, Inc. for research use only, except for use in combination with microarrays and high content screening, and are covered by pending and issued patents. View full statement regarding label licenses
Concentration	0.5 mg/ml
Storage	The antibody solution should be stored undiluted at 4 °C and protected from prolonged exposure to light. Do not freeze.
Size	25 μ g; 100 μ g

GENE INFORMATION

Gene Name	Il17a interleukin 17A [<i>Mus musculus</i>]
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Official Symbol	IL17A
Synonyms	IL17A; interleukin 17A; interleukin-17A; cytotoxic T-lymphocyte-associated antigen 8; IL17; CtlA8; IL-17; CtlA-8; IL-17A;
Gene ID	16171
mRNA Refseq	NM_010552
Protein Refseq	NP_034682
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Rheumatoid arthritis, organism-specific biosystem; Rheumatoid arthritis, conserved biosystem;
Function	cytokine activity;

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