

## Product datasheet for **TA319587**

### **IL17a Rat Monoclonal Antibody [Clone ID: 20B4.G10.F5]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	20B4.G10.F5
Applications:	FC, WB
Recommended Dilution:	ELISA: 1:10,000, WB: 1:1000
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Immunogen:	This Protein A purified monoclonal antibody was produced in rats by repeated immunizations with full length recombinant mouse IL-17A protein (produced in E.coli) followed by hybridoma development.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	interleukin 17A
Database Link:	<a href="#">NP_034682</a> <a href="#">Entrez Gene 16171 Mouse</a> <a href="#">Q62386</a>
Synonyms:	CTLA-8; CTLA8; IL-17; IL-17A; IL17



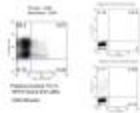
[View online »](#)

**Note:** Mouse Interleukin-17A (IL-17A), also known as CTLA-8, is a proinflammatory cytokine member of a six-species family of proteins (IL-17A-17F). Mouse IL-17A protein is a homodimer consisting of two 134 amino acids peptides. IL-17A is secreted mainly by activated CD4+ and CD8+ T lymphocytes and acts through its receptor, IL-17R, to induce the expression of many mediators of inflammation, most strikingly, those that are involved in the proliferation, maturation and chemotaxis of neutrophils. Elevated levels of IL-17A have been associated with several conditions, including rheumatoid arthritis, airway inflammation, allograft rejection, inflammatory bowel disease, psoriasis, cancer and multiple sclerosis. There is 58% identity between the amino acid sequence of human and mouse IL-17A. Anti-IL-17A antibody is ideal for investigators involved in Immunology research.

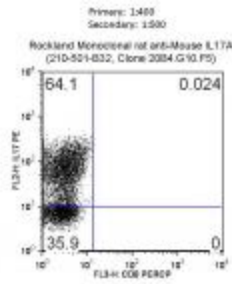
### Product images:



WB showing detection of Mouse IL-17A. 100 ng of Mouse IL-17A was run on a 4-20% gel and transferred to 0.45  $\mu$ m nitrocellulose. Anti-Mouse IL-17A (RAT) Antibody (p/n TA319587) was used at 1:1000. Peroxidase conjugated Rabbit Anti-mouse secondary antibody was diluted at 1:40,000 for 30 min at 20°C and imaged using the Bio-Rad VersaDoc<sup>®</sup> 4000 MP. Band indicates correct 23 kDa molecular weight position expected for Mouse IL-17A.



Anti IL17A was used to detect IL-17A and separate Mouse CD4+ Cells by flow cytometry. Mouse CD4+ T cells were grown on plates coated with anti-CD3 antibody, and stimulated with: 5  $\mu$ g/mL anti-CD28, 10 ng/mL IL-1 $\beta$ , 50 ng/mL mouse IL-6, 1 ng/mL TGF $\beta$ 1 and 10  $\mu$ g/mL anti-mouse IFN. Cells were incubated with rat anti-mouse CD4 APC at 0.125  $\mu$ g/mL, washed, fixed and permeabilized and incubated with Rat anti mouse IL-17A monoclonal Antibody (TA319587) or controls as shown.



Anti IL-17A was used to detect IL-17A and separate Mouse CD4+ Cells by flow cytometry. Mouse CD4+ T cells were grown on plates coated with anti-CD3 antibody, and stimulated with: 5 ug/mL anti-CD28, 10 ng/mL IL-1beta, 50 ng/mL mouse IL-6, 1 ng/mL TGFbeta and 10 ug/mL anti-mouse IFN $\gamma$  over 8-10 days of culture. Cells were incubated with rat anti-mouse CD4 APC at 0.125 ug/mL, washed, fixed and permeabilized and incubated with Rat anti mouse IL-17A monoclonal Antibody (TA319587) or controls as shown.