

## Product datasheet for **TA319353**

### IL17a Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:20,000-1:100,000, WB: 1:2,000-1:10,000, IHC: 1:1,000-1:5,000
Reactivity:	Rat, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This purified antibody was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant rat IL17-A protein.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Biotin
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_001100367</a> <a href="#">Entrez Gene 16171 Mouse</a> <a href="#">Entrez Gene 301289 Rat</a>
Synonyms:	CTLA-8; CTLA8; IL-17; IL-17A; IL17
Note:	Rat IL17-A (also known as Interleukin-17, Cytotoxic T-lymphocyte-associated antigen 8 and CTLA-8) is a proinflammatory cytokine member of a six-species family of proteins (IL-17A-17F). Rat 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 rat IL-17A. Anti-IL-17A antibody is ideal for investigators involved in Immunology research.



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**Product images:**

WB showing detection of Rat IL-17A. 50ng of Rat IL-17A (Lane 1) was run on a 4-20% gel and transferred to 0.45  $\mu\text{m}$  nitrocellulose. Anti-Rat IL-17A (RABBIT) Antibody Biotin Conjugated secondary antibody was used at 1:5000 in Blocking Buffer for Fluorescent WBting (p/n MB-070). HRP Streptavidin (p/n S000-03) was used at 1:40,000 in MB-070 for 30 min at 20°C and imaged using the Bio-Rad VersaDoc<sup>®</sup> 4000 MP. Arrow indicates correct 15 kDa molecular weight position expected for Rat IL-17A.