

Product datasheet for **AM31211AF-N**

IL17 (IL17A) Mouse Monoclonal Antibody [Clone ID: B-B51]

Product data:

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|-----------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | B-B51 |
| Applications: | FN |
| Recommended Dilution: | Functional Assay: Neutralises the bioactivity of IL-17A on keratinocytes cell line HaCaT (measurement of beta Defensin-2 production). |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG2b |
| Clonality: | Monoclonal |
| Immunogen: | Recombinant Human IL-17A. |
| Specificity: | This antibody recognizes both recombinant and natural IL-17A. |
| Formulation: | Phosphate-buffered saline. Sterile-filtered through 0.22 µm and treated to remove endotoxins. Carrier and preservative free. State: Azide Free State: Liquid purified IgG fraction |
| Concentration: | lot specific |
| Purification: | Ion Exchange Chromatography |
| Conjugation: | Unconjugated |
| Storage: | Store the antibody undiluted at 2-8°C. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | interleukin 17A |
| Database Link: | Entrez Gene 3605 Human Q16552 |



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Background:

Interleukin 17 (IL-17) is a pro-inflammatory cytokine produced by a subset of T helper cells that develops distinct from the Th1- and Th2- cell differentiation pathways. IL-17, also known as CTLA-8, stimulates induction of other pro-inflammatory cytokines TNF alpha, IL-1 beta, IL-6, and IL-8, and reports strongly suggest the involvement of IL-17 in several chronic inflammatory diseases such as rheumatoid arthritis, psoriasis and multiple sclerosis. TGF- β (differentiation) and IL-23 (expansion) are required for induction and maintenance of Th17 (IL-17 producing) cells, which in turn induce the other pro-inflammatory cytokines. IL-17 (~32kDa) protein is produced and exists as a homo-dimer, has homology to a herpes virus early protein, is one of the six members (IL-17A-F) of this cytokine family, and is well characterized and highly expressed by activated effector memory T cells.

Synonyms:

IL-17A, IL17, IL-17, CTLA8, CTLA-8

Protein Families:

Druggable Genome, Secreted Protein

Protein Pathways:

Cytokine-cytokine receptor interaction