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# Product datasheet for AP01118BT-N

## IL17 (IL17A) Goat Polyclonal Antibody

### Product data:

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| **Product Type:** | Primary Antibodies |
| **Applications:** | ELISA, WB |
| **Recommended Dilution:** | ELISA: Direct: To detect hIL-17A by direct ELISA (using 100 µl/well antibody solution) a concentration of 0.25 - 1.0 µg/ml of this antibody is required. In conjunction with compatible secondary reagents, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIL-17A. Sandwich: To detect hIL-17A by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.25 - 1.0 µg/ml is required. In conjunction with Polyclonal Anti-Human IL-17A as a capture antibody, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIL-17A.<br>Western Blot: To detect hIL-17A by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hIL-17A is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions. |
| **Reactivity:** | Human |
| **Host:** | Goat |
| **Clonality:** | Polyclonal |
| **Immunogen:** | Highly pure (> 98 %) recombinant human IL-17A |
| **Specificity:** | This antibody detects Interleukin-17A. |
| **Formulation:** | PBS, pH 7.2<br>Label: Biotin<br>State: Sterile filtered lyophilized Ig fraction |
| **Reconstitution Method:** | Centrifuge vial prior to opening. Restore in sterile PBS containing 0.1 % BSA to a concentration of 0.1 - 1.0 mg/ml. |
| **Purification:** | Affinity chromatography |
| **Conjugation:** | Biotin |
| **Storage:** | Store the lyophilized antibody at -20 °C. Following reconstitution it is stable for two weeks at 2 - 8 °C. Frozen aliquots are stable for 6 months when stored at -20 °C. Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: One year from despatch. |

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| **Gene Name:** | interleukin 17A |
| **Database Link:** | Entrez Gene 3605 Human<br>Q16552 |
| **Background:** | IL17, also known as CTLA8, is a T cell derived hematopoietic cytokine. It was originally cloned from a T cell hybridoma produced by fusion of a mouse cytotoxic T cell clone and a rat T lymphoma. IL17 exhibits multiple biological activities on a variety of cells including: the induction of IL6, IL8 and GCSF production in fibroblasts; the enhancement of surface expression of ICAM 1 in fibroblasts; activation of NF kappaB and costimulation of T cell proliferation. IL17 is an approximately 16 kDa polypeptide of 136 amino acids. The precursor form of IL17 consists of 155 amino acids. To generate the mature IL17 (136 amino acids), the precursor cleaves a 19 amino acid signal peptide. Human IL17 shows approximately 62.5% amino acid homology to mouse IL17 and 58% amino acid homology to rat IL17. |
| **Synonyms:** | IL-17A, IL17, IL-17, CTLA8, CTLA-8 |
| **Protein Families:** | Druggable Genome, Secreted Protein |
| **Protein Pathways:** | Cytokine-cytokine receptor interaction |