IL-17A Antibody

ALTERNATE NAMES: CTLA-8, IL-17, IL-17A, Cytotoxic T-lymphocyte associated antigen 8.

CATALOG #: 5108-50

AMOUNT: 50 µg

HOST: Rabbit

IMMUNOGEN: E.coli derived Recombinant Human IL-17A.

PURIFICATION: Affinity chromatography

FORM: Liquid

FORMULATION: A sterile filtered antibody solution in PBS, pH 7.2.

SPECIES REACTIVITY: Human

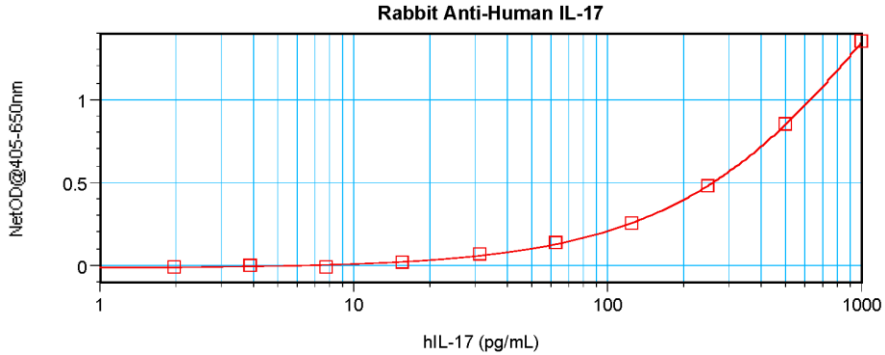
STORAGE CONDITIONS: -20°C.

DESCRIPTION: The originally described IL-17 protein, now known as IL-17A, is a homodimer of two 136 amino acid chains, secreted by activated T-cells that act on stromal cells to induce production of proinflammatory and hematopoietic bioactive molecules. Today, IL-17 represents a family of structurally-related cytokines that share a highly conserved C-terminal region but differ from one another in their N-terminal regions and in their distinct biological roles. The six known members of this family, IL-17A through IL-17F, are secreted as homodimers. IL-17A exhibits cross-species bioactivity between human and murine cells.

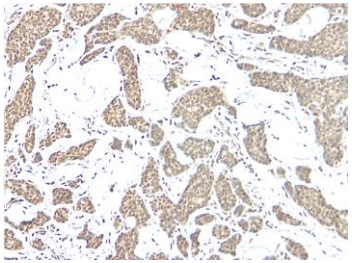
APPLICATION: WB, ELISA, Neutralization, Immunohistochemistry

1) **WB:** Use 0.1-0.2 µg/ml. The detection limit for recombinant human IL-17A is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
2) **ELISA:** Use 0.5 - 2.0 µg/ml (100 µl/well antibody solution)
3) **Neutralization:** To yield one-half maximal inhibition [ND_{50}] of the biological activity of hIL-17A (50.0 ng/ml), a concentration of 0.9-1.3 µg/ml of this antibody is required.
4) **Immunohistochemistry:** 0.25 µg/ml with an overnight incubation at 4°C

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



To detect hIL-17A by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antibody allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIL-17A.



This antibody stained formalin-fixed, paraffin-embedded sections of human breast invasive ductal carcinoma. The recommended concentration is 0.25 µg/ml with an O/N incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Heat induced antigen retrieval with a pH 6.0 sodium citrate buffer is recommended. Optimal concentrations and conditions may vary.

RELATED PRODUCTS:

- IL-17B, human recombinant **(Cat # 7106-10, -50)**
- IL-17D, human recombinant **(Cat # 7107-10, -50)**
- Human Cell^{exp} Human Recombinant IL-17A **(Cat # 6468-10, -50)**
- Human Cell^{exp} Human Recombinant IL-17F **(Cat # 6469-10, -50)**
- IL-17, murine recombinant **(Cat # 4177-10, -1000)**
- IL-17A, human recombinant **(Cat # 4176-25, -1000)**
- IL-17A, rat recombinant **(Cat # 4178-25, -1000)**
- IL-17A/F, human recombinant **(Cat # 4176AF-10, -50, -1000)**
- IL-17E, human recombinant **(Cat # 4176E-25, -1000)**
- IL-17E, murine recombinant **(Cat # 4177E-25, -100, -1000)**
- IL-17E, rat recombinant **(Cat # 4178E-25, -100, -1000)**
- IL-17F, human recombinant **(Cat # 4176F-25, -1000)**
- IL-17F, murine recombinant **(Cat # 4177F-25, -100, -1000)**
- IL-17F, rat recombinant **(Cat # 4178F-25, -100, -1000)**
- IL-17 Antibody **(Cat # 5176-200)**

FOR RESEARCH USE ONLY! Not to be used on humans.