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**Product name:** Anti-Mouse IL-17A Monoclonal Antibody(PE  
Conjugated)

**Catalog:** DL22163F

**Synonyms:** Interleukin-17A, IL-17, IL-17A, Cytotoxic  
T-lymphocyte-associated antigen 8, CTLA-8, CTLA8

**Background:** IL-17, also known as CTLA-8, is a T cell-expressed pleiotropic cytokine that exhibits a high degree of homology to a protein encoded by the ORF13 gene of herpes virus Saimiri. IL-17 is produced by Th cells (Th17) that are distinct from the traditional Th1- and Th2-cell subsets. IL-23 plays an important role in triggering IL-17 production. Both recombinant and natural IL-17 have been shown to exist as disulfide linked homodimers. IL-17 exhibits multiple biological activities on a variety of cells including:

the induction of IL-6 and IL-8 production in fibroblasts, activation of NF- $\kappa$ B, and costimulation of T cell proliferation. IL-17 is an essential inflammatory mediator in the development of autoimmune diseases. Neutralization of IL-17 with monoclonal antibody is able to ameliorate the disease course.

**Form:** Liquid

**Isotype:** Rat IgG1,  $\kappa$

**Size:** 25 $\mu$ g/100 $\mu$ g

**Host:** Rat

**Reactivity:** Mouse

**Application:** ICFCM

**Concentration:** 0.2 mg/mL

**Conjugation:** PE

**SwissProt:** Q62386

**Buffer:** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

### Recommended Use:

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1  $\mu\text{g}/10^6\text{cells}$  in 100  $\mu\text{L}$  volume].

### Storage:

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.