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

**Catalog:** DL22160F

**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:**

50Tests/100Tests/100Tests $\times$ 2

**Host:** Rat

**Reactivity:** Mouse

**Application:** ICFCM

**Concentration:** 5  $\mu$ L

**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. The amount of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per

100  $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

**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.