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Biotin Anti-Mouse IL-17A Antibody [TC11-18H10.1]

Catalog Number: E-AB-F1199B

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Mouse Rat Host

Isotype Rat IgG1, ĸ Clone No. TC11-18H10.1

Biotin Rat IgG1, κ Isotype Control[HRPN] [Product E-AB-F09823B] Isotype Control

Conjugation

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow **FCM**

> cytometric staining, the suggested use of this reagent is ≤ 1.0 µg per 10⁶ cells in 100 µL volume or 100 µL of whole blood. It is recommended that the reagent be titrated for

optimal performance for each application.

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Do not freeze.

Shipping Ice bag

Antigen Information

Alternate Names CTLA-8;CTLA8;Cytotoxic T-lymphocyte-associated antigen 8;IL-17;IL-17A;Interleukin-

Uniprot ID Q62386 Gene ID 16171

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 Th1and 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-kB, 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.

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