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Biotin Anti-Mouse CD80 Antibody[16-10A1]

Catalog Number: E-AB-F0992B

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

Description

Reactivity Mouse

Armenian Hamster Host Isotype Armenian Hamster IgG

Clone No. 16-10A1

Biotin Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09853B] 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 \leq 1.0 μ g per 10⁶ cells in 100 μ L 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 Activation B7-1 antigen; B7; Cd80; T-lymphocyte activation antigen CD80

Uniprot ID Q00609 Gene ID 12519

Background CD80 is a 60 kD highly glycosylated protein. It is a member of the Ig superfamily and is

> also known as B7-1, B7, and Ly-53. CD80 is constitutively expressed on dendritic cells and monocytes/macrophages, and inducibly expressed on activated B and T cells. The ligation of CD28 on T cells with CD80 and CD86 (B7-2) on antigen presenting cells (such as dendritic cells, macrophages, and B cells) elicits co-stimulation of T cells resulting in enhanced cell activation, proliferation, and cytokine production. CD80 appears to be expressed later in the immune response than CD86. CD80 can also bind to CD152, also known as CTLA-4, to deliver an inhibitory signal to T cells.

For Research Use Only

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