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PE/Cyanine5 Anti-Mouse CD80 Antibody[16-10A1]

Catalog Number: E-AB-F0992UG

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

Description

Reactivity Mouse

Host Armenian Hamster Isotype Armenian Hamster IgG

Clone No. 16-10A1

PE/Cyanine5 Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09853G] Isotype Control

PE/Cyanine 5 Conjugation

Conjugation Information PE/Cyanine5 is designed to be excited by the Blue (488 nm), Green (532 nm) and

yellow-green (561 nm) lasers and detected using an optical filter centered near 670 nm

(e.g., a 690/50 nm bandpass filter).

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

Applications Recommended usage

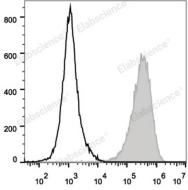
FCM Each lot of this antibody is quality control tested by flow cytometric analysis. Please

> 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 μg/10⁶ cells

in 100 µL volume].

Data



C57BL/6 murine splenocytes are stained with PE/Cyanine5 Anti-Mouse CD80 Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and 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

For Research Use Only

Tel: 1-832-243-6086 Fax: 1-832-243-6017 Toll-free: 1-888-852-8623 Email:techsupport@elabscience.com Web:www.elabscience.com

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Background

CD80 is a 60 kD highly glycosylated protein. It is a member of the lg 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.

Fax: 1-832-243-6017