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# AF/LE Purified Anti-Mouse CD80 Antibody[16-10A1]

Catalog No. E-AB-F09920 Reactivity Mouse Storage Store at 2~8°C, Avoid freeze / thaw cycles Applications Block,FCM

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

# **Antigen Information**

Alternate Names Uniprot ID T-lymphocyte activation antigen CD80,Cd80,Activation B7-1 antigen,B7

Q00609

**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.

#### **Product Details**

 Form
 Liquid

 Concentration
 0.5 mg/mL

 Size
 50μg/500μg/1mg

 Clone No.
 16-10A1

**Host** Armenian Hamster **Isotype** Armenian Hamster IgG

**Reactivity** Mouse **Application** Block,FCM

Isotype Control AF/LE Purified Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F098530]

Storage Buffer 0.2 µm filtered in PBS, pH 7.2. Azide Free (AF)/Low Endotoxin (LE): Contains no stabilizers or

stabilizers. Endotoxin level is < 2 EU/mg as Determined by LAL gel clotting assay.

**Shipping** Biological ice pack at 4 °C **Stability & 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.

For Research Use Only

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# **Fluorophore**

**Conjugation:** None (Purified antibody-Azide Free/Low endotoxin)

## Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is  $\leq 1.0 \,\mu g$  per  $10^6$  cells in  $100 \,\mu L$  volume or  $100 \,\mu L$  of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

### **Related Information**

- 1. Sample Preparation for Flow Cytometry <a href="https://www.elabscience.com/List-detail-5594.html">https://www.elabscience.com/List-detail-5594.html</a>
- 2. Staining Cell Surface Targets for Flow Cytometry <a href="https://www.elabscience.com/List-detail-5568.html">https://www.elabscience.com/List-detail-5568.html</a>
- 3. Flow Cytometry Troubleshooting Tips <a href="https://www.elabscience.com/List-detail-5593.html">https://www.elabscience.com/List-detail-5593.html</a>
- 4. How to select the appropriate detection channel through the spectrogram? https://www.elabscience.com/Listdetail-459742.html

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