

Manufacturer/Supplier:

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Product name: AF/LE Purified Anti-Mouse CD80 Monoclonal
Antibody

Catalog: DL20092F

Synonyms: T-lymphocyte activation antigen
CD80, Cd80, Activation B7-1 antigen, B7

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.

Form: Liquid

Isotype: Armenian Hamster IgG

Size: 50µg/500µg/1mg

Host: Armenian Hamster

Reactivity: Mouse

Application: Block, FCM

Concentration: 0.5 mg/mL

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

SwissProt: Q00609

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

Recommended Use:

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is $\leq 1.0 \mu\text{g}$ per 10^6 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.

Storage:

Keep as concentrated solution.

Store at 2~8°C. Do not freeze.

This product is guaranteed up to one year from purchase.