

Manufacturer/Supplier:

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Product name: Purified Anti-Mouse CD80 Monoclonal Antibody

Catalog: DL20093F

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: 25µg/100µg

Host: Armenian Hamster

Reactivity: Mouse

Application: FCM,IHC,IP

Concentration: 0.5 mg/mL

Conjugation: Unconjugated

SwissProt: Q00609

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

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.