

Manufacturer/Supplier:

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Product name: Anti-Mouse CD86 Monoclonal
Antibody(PerCP/Cyanine5.5 Conjugated)

Catalog: DL20117F

Synonyms: T-lymphocyte activation antigen
CD86, Cd86, Activation B7-2 antigen, Early T-cell
costimulatory molecule 1, ETC-1

Background: CD86 is an 80 kD immunoglobulin superfamily member also known as B7-2, B70, and Ly-58. CD86 is expressed on activated B and T cells, macrophages, dendritic cells, and astrocytes. CD86, along with CD80, is a ligand of CD28 and CD152 (CTLA-4). CD86 is expressed earlier in the immune response than CD80. CD86 has also been shown to be involved in immunoglobulin class-switching and triggering of NK cell-mediated cytotoxicity. CD86

binds to CD28 to transduce co- stimulatory signals for T cell activation, proliferation, and cytokine production. CD86 can also bind to CD152, also known as CTLA-4, to deliver an inhibitory signal to T cells.

Form: Liquid

Isotype: Rat IgG2a, κ

Size: 25 μ g/50 μ g/100 μ g/200 μ g

Host: Rat

Reactivity: Mouse

Application: FCM

Concentration: 0.2 mg/mL

Conjugation: PerCP/Cyanine5.5

SwissProt: P42082

Buffer: PBS with 0.05% Proclin300, 1% BSA

Recommended Use:

Each lot of this antibody is quality control tested by immunofluorescent staining with 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 μ g/ 10^6 cells in 100 μ L volume].

Data:

LPS-stimulated (3 days) C57BL/6 murine splenocytes are stained with Anti-Mouse CD86 Monoclonal Antibody(PerCP/Cyanine5.5 Conjugated)[Used at 0.2 µg/10⁶ cells dilution](filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

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.