

**Manufacturer/Supplier:**

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**Product name:** Anti-Mouse CD86 Monoclonal  
Antibody(PE/Cyanine5 Conjugated)

**Catalog:** DL20105F

**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,  $\kappa$

**Size:** 20 Tests/50 Tests/100 Tests/500 Tests

**Host:** Rat

**Reactivity:** Mouse

**Application:** FCM

**Concentration:**

**Conjugation:** PE/Cyanine5

**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. The amount of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

**Data:**

C57BL/6 murine splenocytes are stained with Anti-Mouse CD86 Monoclonal Antibody(PE/Cyanine5 Conjugated)(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.