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# PE/Cyanine 5.5 Anti-Human CD86 Antibody [BU63]

Catalog Number: E-AB-F1012I

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

#### Description

Reactivity Human Mouse Host

Isotype Mouse IgG1, ĸ

Clone No. **BU63** 

PE/Cyanine5.5 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792I] Isotype Control

PE/Cyanine 5.5 Conjugation

**Conjugation Information** PE/Cyanine5.5 is designed to be excited by the Blue (488 nm), Green (532 nm) and

yellow-green (561 nm) lasers and detected using an optical filter centered near 690 nm

(e.g., a 690/50 nm bandpass filter).

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

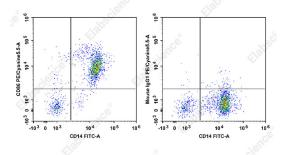
#### **Applications** Recommended usage

**FCM** Each lot of this antibody is quality control tested by flow cytometric analysis. The amount

of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

## Data



Staining of normal human peripheral blood cells with Anti-Human CD14 FITC and Anti-Human CD86 PE/Cyanine5.5 (left) or Mouse IgG1, κ Isotype Control PE/Cyanine5.5 (right). Cells in the monocyte gate were used for analysis.

### **Preparation & Storage**

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

### **Antigen Information**

Activation B7-2 antigen; Cd86; ETC-1; Early T-cell costimulatory molecule 1; T-lymphocyte **Alternate Names** 

activation antigen CD86

**Uniprot ID** P42081

# For Research Use Only

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#### **Elabscience Bionovation Inc.**



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Gene ID Background 942

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, monocytes/macrophages, dendritic cells, and astrocytes. CD86, along with CD80, is the 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 costimulatory signals for T cell activation, proliferation, and cytokine production. CD86 can bind to CD152 as well, also known as CTLA-4, to deliver an inhibitory signal to T cells.

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