

For Research Use Only

# FITC Plus Anti-Human CD86 (BU63)

Catalog Number: FITC-65165



## Basic Information

**Catalog Number:**  
FITC-65165

**Size:**  
100tests, 5 µl/test

**Source:**  
Mouse

**Isotype:**  
IgG1, kappa

**GenBank Accession Number:**  
BC040261

**GeneID (NCBI):**  
942

**Full Name:**  
CD86 molecule

**Calculated MW:**  
329 aa, 38 kDa

**Purification Method:**

The purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.

**CloneNo.:**  
BU63

**Excitation/Emission maxima wavelengths:**  
494 nm / 520 nm

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
Human

## Background Information

CD86 (also known as B7.2) is a costimulatory molecule belonging to the immunoglobulin superfamily. Primarily expressed on antigen-presenting cells (APCs), including B cells, dendritic cells, and macrophages, CD86 is the ligand for two proteins at the cell surface of T cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. Binding of CD86 with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of CD86 with cytotoxic T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response.

## Storage

**Storage:**

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

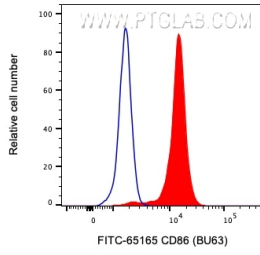
**Storage Buffer:**

PBS with 0.09% sodium azide and 0.5% BSA.

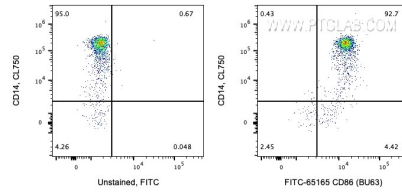
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface stained with 5 ul FITC Plus Anti-Human CD86 (FITC-65165, Clone: BU63). Cells were not fixed. Monocytes were gated.



1X10<sup>6</sup> human PBMCs were surface co-stained with CL750-CD14 and 5 ul FITC Plus Anti-Human CD86 (FITC-65165, Clone:BU63). Cells were not fixed. Monocytes were gated.