

For Research Use Only

# FITC Plus Anti-Human CD86 (BU63)

Catalog Number: FITC-65165

1 Publications



## Basic Information

### Catalog Number:

FITC-65165

### Concentration:

100 tests, 5 µl/test

### Source:

Mouse

### Isotype:

IgG1, kappa

### GenBank Accession Number:

BC040261

### GeneID (NCBI):

942

### ENSEMBL Gene ID:

ENSG00000114013

### UNIPROT ID:

P42081

### 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

### Recommended Dilutions:

FC: 5 µl per 10<sup>6</sup> cells in 100 µl suspension

### Excitation/Emission maxima wavelengths:

495 nm / 524 nm

## Applications

### Tested Applications:

FC

### Cited Applications:

FC

### Species Specificity:

human

### Positive Controls:

FC : human PBMCs,

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ying Sun	39301639	Int J Oncol	FC

## 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, pH7.3

For technical support and original validation data for this product please contact:

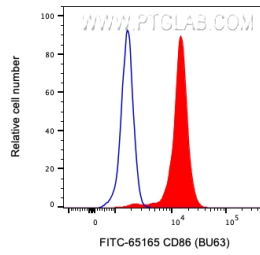
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

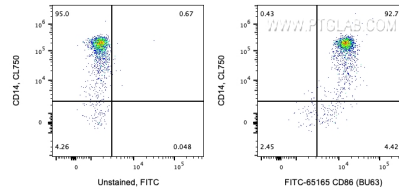
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## Selected Validation Data



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.