

For Research Use Only

# PE Anti-Human CD86 (BU63)

Catalog Number: PE-65165



## Basic Information

**Catalog Number:**

PE-65165

**Size:**

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 R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.

**CloneNo.:**

BU63

**Excitation/Emission maxima wavelengths:**

496 nm, 565 nm / 578 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, pH 7.3.

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

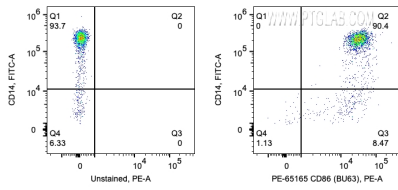
T: 4006900926

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

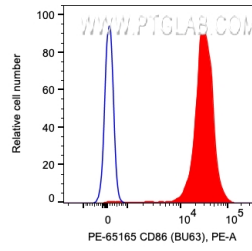
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



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



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