

For Research Use Only

# FITC Plus Anti-Human CD86 (BU63) Mouse IgG2a Recombinant Antibody

Catalog Number: FITC-65592



## Basic Information

**Catalog Number:**

FITC-65592

**Size:**

100 tests, 5 ul/test

**Source:**

Mouse

**Isotype:**

IgG2a

**GenBank Accession Number:**

BC040261

**GeneID (NCBI):**

942

**ENSEMBL Gene ID:**

ENSG00000114013

**Full Name:**

CD86 molecule

**Calculated MW:**

329 aa, 38 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

BU63

**Excitation/Emission maxima  
wavelengths:**

495 nm / 524 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.

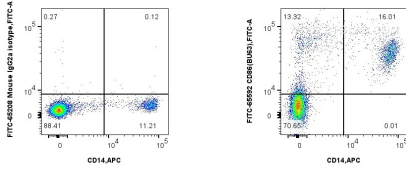
For technical support and original validation data for this product please contact:

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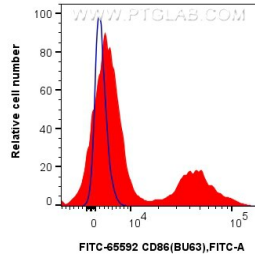
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with APC Anti-Human CD14 Rabbit Recombinant Antibody (APC-98040, Clone: 230332D7), and 5 ul FITC Plus Anti-Human CD86 (BU63) Mouse IgG2a RecAb (FITC-65592, Clone: BU63) or FITC Plus Mouse IgG2a Isotype Control (C1.18.4) (FITC-65208, Clone: C1.18.4). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul FITC Plus Anti-Human CD86 (BU63) Mouse IgG2a RecAb (FITC-65592, Clone: BU63) (red) or FITC Plus Mouse IgG2a Isotype Control (C1.18.4) (FITC-65208, Clone: C1.18.4) (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.