

# FITC Plus Anti-Human CD86 (IT2.2)

Catalog Number: FITC-65118

## Basic Information

Catalog Number:

FITC-65118

Size:

100 tests, 5 µl / test

Source:

Mouse

Isotype:

IgG2b, 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:

Affinity purification

CloneNo.:

IT2.2

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 CTLA-4. Binding of CD86 with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of CD86 with CTLA-4 negatively regulates T-cell activation and diminishes the immune response. (PMID: 7513726; 1847722; 11029388; 27591335)

## Storage

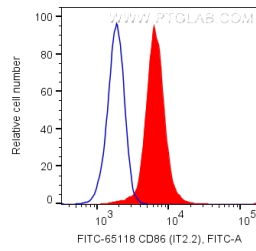
Storage:

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.

## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface stained with 5 ul FITC Plus Anti-Human CD86 (FITC-65118, Clone: IT2.2) or unstained. Cells were not fixed. Monocytes were gated.