

For Research Use Only

# FITC Plus Anti-Mouse CD86 (GL1)

Catalog Number: FITC-65068

12 Publications



## Basic Information

Catalog Number:

FITC-65068

Concentration:

100ug, 500 ug/ml

Source:

Rat

Isotype:

IgG2a, kappa

GenBank Accession Number:

BC013807

GeneID (NCBI):

12524

UNIPROT ID:

P42082

Full Name:

CD86 antigen

Purification Method:

Affinity purification

CloneNo.:

GL1

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:

495 nm / 524 nm

## Applications

Tested Applications:

IF-P, FC

Cited Applications:

IF, FC

Species Specificity:

mouse

Cited Species:

mouse

Positive Controls:

IF-P: mouse spleen tissue,

## 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)

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuqing Sun	34127216	Carbohydr Polym	FC
Xinlong Xie	36605251	Front Bioeng Biotechnol	FC
Weixin Zhou	39396657	Int J Pharm	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.

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

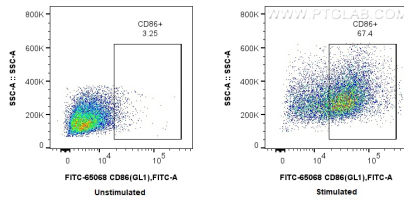
T: 4006900926

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

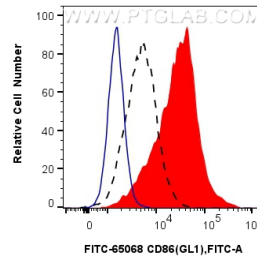
W: [ptgcn.com](http://ptgcn.com)

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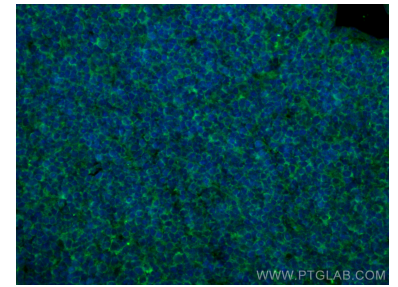
## Selected Validation Data



$1 \times 10^6$  untreated or LPS-treated mouse splenocytes were surface stained with 0.25  $\mu$ g FITC Plus Anti-Mouse CD86 (GL1) (FITC-65068, Clone: GL1). Cells were not fixed.



$1 \times 10^6$  LPS-treated mouse splenocytes were surface stained with 0.25  $\mu$ g FITC Plus Anti-Mouse CD86 (GL1) (FITC-65068, Clone: GL1)(red) or 0.25  $\mu$ g FITC Rat IgG2a Isotype Control (2A3) (FITC-65209, Clone: 2A3) (blue).  $1 \times 10^6$  untreated mouse splenocytes were surface stained with 0.25  $\mu$ g FITC Plus Anti-Mouse CD86 (GL1) (FITC-65068, Clone: GL1) (black, dashed). Cells were not fixed.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse spleen tissue using FITC Plus CD86 antibody (FITC-65068, Clone: GL1) at dilution of 1:100. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).