

For Research Use Only

# FITC Plus Anti-Mouse CD86 (GL1)

Catalog Number: FITC-65068

6 Publications



## Basic Information

|                                      |  |   |
|--------------------------------------|--|---|
| <b>Catalog Number:</b><br>FITC-65068 | <b>GenBank Accession Number:</b><br>BC013807 | <b>Purification Method:</b><br>Affinity purification              |
| <b>Size:</b><br>100ug, 0.5 mg/ml     | <b>GeneID (NCBI):</b><br>12524               | <b>CloneNo.:</b><br>GL1   |
| <b>Source:</b><br>Rat                | <b>Full Name:</b><br>CD86 antigen            | <b>Excitation/Emission maxima wavelengths:</b><br>495 nm / 524 nm |
| <b>Isotype:</b><br>IgG2a, kappa      |  |   |

## Applications

**Tested Applications:**  
FC

**Cited Applications:**  
FC, IF

**Species Specificity:**  
Mouse

**Cited Species:**  
mouse

## 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          |
| Yingqi Liu  | 37804510  | Cell Rep                | IF          |

## Storage

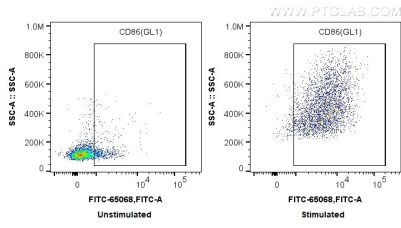
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide.

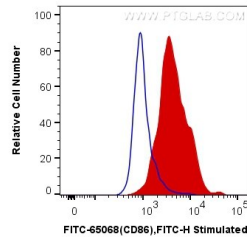
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



$1 \times 10^6$  untreated or LPS-treated mouse splenocytes were surface stained with 0.125 ug FITC Plus Anti-Mouse CD86 (FITC-65068, Clone: GL1). Cells were not fixed.



$1 \times 10^6$  LPS treated mouse splenocytes were surface stained with 0.125 ug FITC Plus Anti-Mouse CD86 (FITC-65068, Clone: GL1) (red) or 0.125 ug FITC-rat IgG2a isotype control. Cells were not fixed.