

For Research Use Only

# Anti-human CD86 (BU63)

Catalog Number: 65165-1-Ig



## Basic Information

<b>Catalog Number:</b> 65165-1-Ig	<b>GenBank Accession Number:</b> BC040261	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 942	<b>CloneNo.:</b> BU63
<b>Source:</b> Mouse	<b>Full Name:</b> CD86 molecule	
<b>Isotype:</b> Mouse IgG1	<b>Calculated MW:</b> 329 aa, 38 kDa	

## Applications

**Tested Applications:**  
FC, ELISA

**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.

**Storage Buffer:**  
PBS with 0.1% sodium azide.

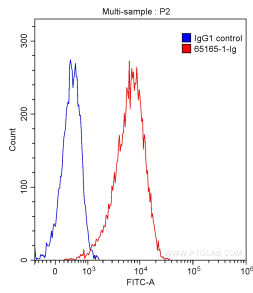
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## Selected Validation Data



1X10<sup>6</sup> Daudi cells were surface stained with 0.20 ug Anti-Human CD86 (65165-1-Ig, Clone: BU63) (red) or 0.20 ug isotype control antibody (blue) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution of 1:1000. Samples were not fixed.