

For Research Use Only

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

Catalog Number: Biotin-65592



## Basic Information

<b>Catalog Number:</b> Biotin-65592	<b>GenBank Accession Number:</b> BC040261	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, 500 µg/ml	<b>GeneID (NCBI):</b> 942	<b>CloneNo.:</b> BU63
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000114013	
<b>Isotype:</b> IgG2a	<b>Full Name:</b> CD86 molecule	
	<b>Calculated MW:</b> 329 aa, 38 kDa	

## 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

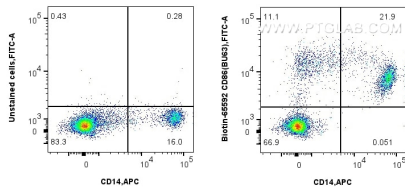
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

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

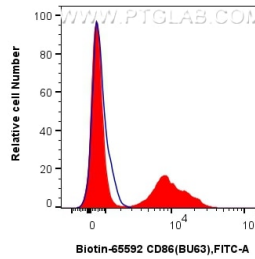
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD86 (BU63) Mouse IgG2a RecAb (Biotin-65592, Clone: BU63) and CoraLite®488-conjugated streptavidin, or unstained. Cells were co-stained with APC Anti-Human CD14 Rabbit Recombinant Antibody (APC-98040, Clone: 230332D7). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD86 (BU63) Mouse IgG2a RecAb (Biotin-65592, Clone: BU63) (red), and CoraLite®488-conjugated streptavidin, or unstained (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.