

For Research Use Only

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

Catalog Number: Biotin-65592



Basic Information

Catalog Number:

Biotin-65592

Size:

100ug, 500 µg/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC040261

GeneID (NCBI):

942

ENSEMBL Gene ID:

ENSG00000114013

Full Name:

CD86 molecule

Calculated MW:

329 aa, 38 kDa

Purification Method:

Protein A purification

CloneNo.:

BU63

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.

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

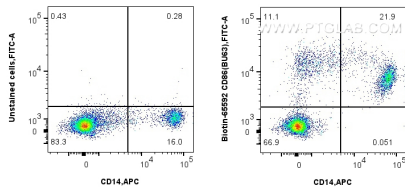
T: 4006900926

E: Proteintech-CN@ptglab.com

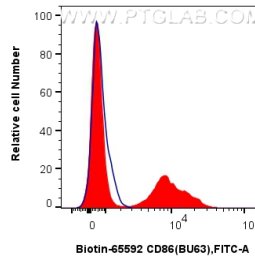
W: ptgcn.com

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Selected Validation Data



1x10⁶ 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.



1x10⁶ 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.