For Research Use Only

APC Anti-Human CD86 (BU63)

Catalog Number:APC-65165 5 Publications

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Basic Information

Catalog Number:
APC-65165

Concentration:
100tests, 5 ul/test

Source:
Mouse

Isotype:
IgG1, kappa

GenBank Accession Number:
BC040261

GeneID (NCBI):
942

ENSEMBL Gene ID:
ENSG00000114013

UNIPROT ID:
P42081

Full Name:
CD86 molecule

Calculated MW:
329 aa, 38 kDa

Purification Method:
The purified antibody is conjugated with allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.

CloneNo.:
BU63

Excitation/Emission maxima wavelengths:
650 nm / 660 nm

Applications

Tested Applications:
FC

Cited Applications:
IF, FC

Species Specificity:
human

Cited Species:
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.

Notable Publications

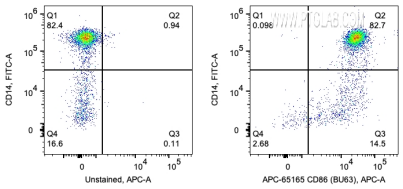
Author	Pubmed ID	Journal	Application
Xueqi Yan	35413945	Cell Death Discov	FC
Chenghu Yin	39716898	Adv Sci (Weinh)	IF
Zilong Zhao	39318025	J Agric Food Chem	FC

Storage

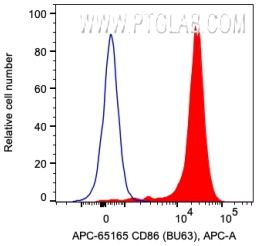
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide.

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



1X10^6 human PBMCs were surface co-stained with FITC Anti-Human CD14 and 5 ul APC Anti-Human CD86 (APC-65165, Clone:BU63) or unstained. Cells were not fixed. Monocytes were gated.



1X10^6 human PBMCs were surface stained with 5 ul APC Anti-Human CD86 (APC-65165, Clone:BU63) or unstained. Cells were not fixed. Monocytes were gated.