

For Research Use Only

FITC Plus Anti-Human CD86 (BU63)

Catalog Number: FITC-65165

1 Publications



Basic Information

Catalog Number:

FITC-65165

Size:

100 tests, 5 µl/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 fluorescein isothiocyanate (FITC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.

CloneNo.:

BU63

Excitation/Emission maxima wavelengths:

495 nm / 524 nm

Applications

Tested Applications:

FC

Cited 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Ying Sun	39301639	Int J Oncol	FC

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 and 0.5% BSA.

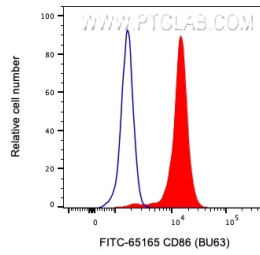
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

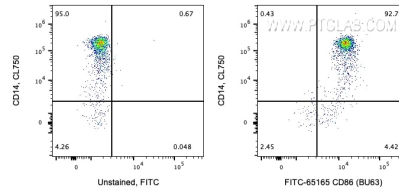
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1X10⁶ human PBMCs were surface stained with 5 ul FITC Plus Anti-Human CD86 (FITC-65165, Clone: BU63). Cells were not fixed. Monocytes were gated.



1X10⁶ human PBMCs were surface co-stained with CL750-CD14 and 5 ul FITC Plus Anti-Human CD86 (FITC-65165, Clone:BU63). Cells were not fixed. Monocytes were gated.