For Research Use Only

# CoraLite®594 Anti-Human CD86 (BU63)

Catalog Number:CL594-65165

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Antibodies | ELISA kits | Proteins
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## Basic Information

Catalog Number:
CL594-65165

Size:
100tests , 5 µl/test

Source:
Mouse

Isotype:
IgG1, kappa

GenBank Accession Number:
BC040261

GeneID (NCBI):
942

Full Name:
CD86 molecule

Calculated MW:
329 aa, 38 kDa

Purification Method:
Protein G purification

CloneNo.:
BU63

Excitation/Emission maxima wavelengths:
593 nm / 614 nm

## Applications

Tested Applications:
FC

Species Specificity:
Human

## Background Information

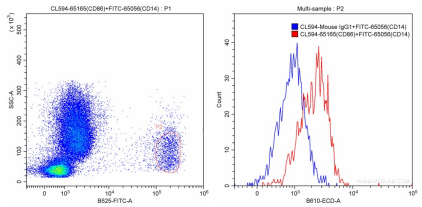
CD86 (also known as B7.2) is a costimulatory molecule belonging to the immunoglobulin superfamily. Primarily expressed on antigen-presenting cells (APCs), including B cells, dendritic cells, and macrophages, CD86 is the ligand for two proteins at the cell surface of T cells, CD28 antigen and cytotoxic 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 0.1% sodium azide and 0.5% BSA, pH 7.3.

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

## Selected Validation Data




100 ul human peripheral blood were surface stained with 10 ul FITC-Anti-Human CD14 (FITC-65056, Clone: UCHM-1), and 5 ul CoraLite®594-conjugated Anti-Human CD86 (CL594-65165, Clone: BU63) or CoraLite®594-conjugated Mouse IgG1 isotype control. Cells were then treated with red blood cell lysis buffer and were gated for CD14+ monocytes for analysis of CD86 staining.