

For Research Use Only

CoraLite® Plus 488 Anti-Human CD86 (IT2.2)



Catalog Number: **CL488-65118**

Basic Information

| | | |
|---------------------------------------|--|---|
| Catalog Number: CL488-65118 | GenBank Accession Number: BC040261 | Purification Method: Protein A purification |
| Size: 100tests , 5 µl/test | GeneID (NCBI): 942 | CloneNo.: IT2.2 |
| Source: Mouse | Full Name: CD86 molecule | Excitation/Emission maxima wavelengths: 493 nm / 522 nm |
| Isotype: IgG2b, kappa | Calculated MW: 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 CTLA-4. Binding of CD86 with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of CD86 with CTLA-4 negatively regulates T-cell activation and diminishes the immune response. (PMID: 7513726; 1847722; 11029388; 27591335)

Storage

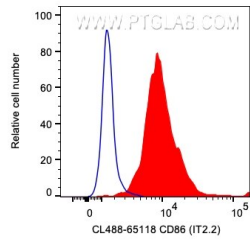
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, 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

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 CoraLite® Plus 488 Anti-Human CD86 (CL488-65118, Clone:IT2.2) (red) or unstained. Cells were not fixed. Monocytes were gated.