

For Research Use Only

CoraLite® Plus 647-conjugated CD86 Recombinant monoclonal antibody

Catalog Number:CL647-83523-4



Basic Information

Catalog Number: CL647-83523-4	GenBank Accession Number: NM_175862	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 942	CloneNo.: 240429G12
Source: Rabbit	ENSEMBL Gene ID: ENSG00000114013	Recommended Dilutions: IF/ICC: 1:50-1:500
Isotype: IgG	UNIPROT ID: P42081	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: EG0966	Full Name: CD86 molecule	
	Calculated MW: 329 aa, 38 kDa	
	Observed MW: 70 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : Raji cells,
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.

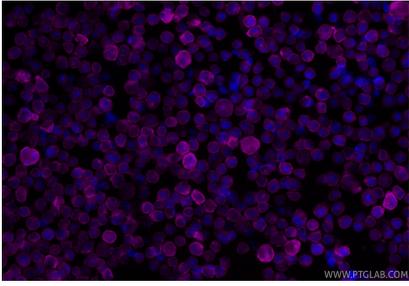
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Raji cells using CoraLite® Plus 647 CD86 antibody (CL647-83523-4, Clone: 240429G12) at dilution of 1:200.