

For Research Use Only

CoraLite® Plus 647-conjugated CD80 Recombinant monoclonal antibody

Catalog Number:CL647-83198-4



Basic Information

Catalog Number: CL647-83198-4	GenBank Accession Number: NM_005191	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 941	CloneNo.: 242913H3
Source: Rabbit	UNIPROT ID: P33681	Recommended Dilutions: IF/ICC: 1:50-1:500
Isotype: IgG	Full Name: CD80 molecule	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: EG3505	Calculated MW: 33 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : Raji cells,
Species Specificity: human	

Background Information

CD80 (also known as B7-1) is a type I membrane protein that is a member of the immunoglobulin superfamily, with an extracellular immunoglobulin constant-like domain and a variable-like domain required for receptor binding. It is expressed on antigen-presenting cells (APCs), including B cells, dendritic cells, monocytes, and macrophages. CD80 is the receptor for the proteins CD28 and CTLA-4 found on the surface of T-cells. It is involved in the costimulatory signal essential for T-lymphocyte activation. T-cell proliferation and cytokine production is induced by the binding of CD28, binding to CTLA-4 has opposite effects and inhibits T-cell activation. CD80 also acts as a cellular attachment receptor for adenovirus subgroup B. (PMID: 7545666; 12015893; 16920215)

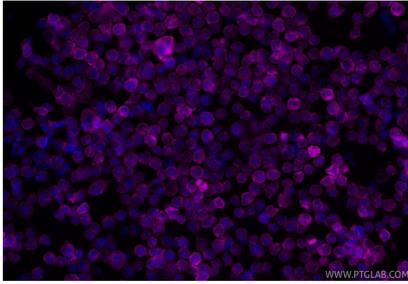
Storage

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 CD80 antibody (CL647-83198-4, Clone: 242913H3) at dilution of 1:200.