

For Research Use Only

CoraLite® Plus 647-conjugated CD80 Recombinant monoclonal antibody

Catalog Number:CL647-83198-4



Basic Information

Catalog Number:

CL647-83198-4

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3505

GenBank Accession Number:

NM_005191

GeneID (NCBI):

941

UNIPROT ID:

P33681

Full Name:

CD80 molecule

Calculated MW:

33 kDa

Purification Method:

Protein A purification

CloneNo.:

242913H3

Recommended Dilutions:

IF/ICC: 1:50-1:500

Excitation/Emission maxima

wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : Raji cells,

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:

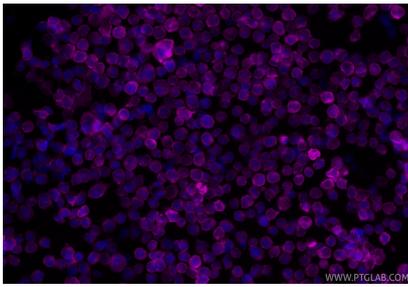
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.