

For Research Use Only

CoraLite® Plus 488 Anti-Mouse CD80 (B7-1) (16-10A1)



Catalog Number: **CL488-65076**

Basic Information

Catalog Number:
CL488-65076

Size:
100ug, 0.5 mg/ml

Source:
Armenian Hamster

Isotype:
IgG

GenBank Accession Number:
BC131959

GeneID (NCBI):
12519

UNIPROT ID:
Q00609

Full Name:
CD80 antigen

Purification Method:
Affinity purification

CloneNo.:
16-10A1

Excitation/Emission maxima
wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
FC

Species Specificity:
Mouse

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 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:

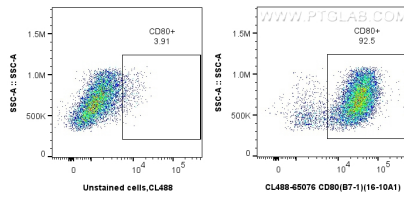
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ BALB/C mouse peritoneal macrophages were surface stained with 0.5 ug CoraLite® Plus 488 Anti-Mouse CD80 (B7-1) (CL488-65076, Clone:16-10A1), or unstained. Cells were not fixed.