

For Research Use Only

CoraLite® Plus 488 Anti-Human CD80 Rabbit scFv Antibody

Catalog Number: CL488-SF98384



Basic Information

Catalog Number:

CL488-SF98384

Source:

Rabbit

Type:

scFv

Immunogen Catalog Number:

EG3505

GenBank Accession Number:

NM_005191

GeneID (NCBI):

941

Full Name:

CD80 molecule

Calculated MW:

33 kDa

Purification Method:

Affinity purification

CloneNo.:

242913B11

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

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

Storage Buffer:

50mM HEPES, 150mM NaCl, 5mM EDTA, 0.1% CHAPS, 10% Sucrose and 0.1% Proclin 300, pH7.3

For technical support and original validation data for this product please contact:

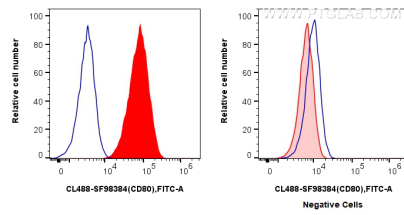
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ Raji cells (left) or HUVEC cells (right) were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Human CD80 Rabbit scFv Antibody (CL488-SF98384, Clone: 242913B11) (red) or 0.25 ug CoraLite® Plus 488 Rabbit scFv Isotype Control (CL488-SF98136, Clone: 240953C9) (blue). Cells were not fixed.