

For Research Use Only

# FcZero-rAb® CoraLite® Plus 647 Anti-Mouse CD80 Rabbit Recombinant Antibody

Catalog Number: CL647-FcA98158



## Basic Information

<b>Catalog Number:</b> CL647-FcA98158	<b>GenBank Accession Number:</b> NM_009855.2	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 100ug, 500 ug/ml	<b>GeneID (NCBI):</b> 12519	<b>CloneNo.:</b> 241371E12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q00609-1	<b>Recommended Dilutions:</b> FC: 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> CD80 antigen	<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Immunogen Catalog Number:</b> EG0840	<b>Calculated MW:</b> 35 kDa	

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : mouse peritoneal macrophages,
<b>Species Specificity:</b> 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 0.09% sodium azide, pH7.3

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

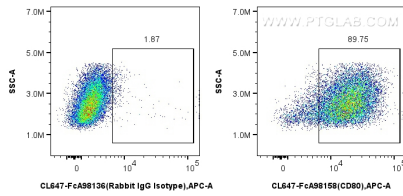
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

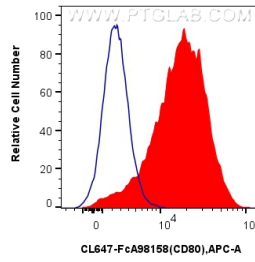
W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



1x10<sup>6</sup> mouse peritoneal macrophages were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD80 Rabbit RecAb (CL647-FcA98158, Clone: 241371E12) or FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> mouse peritoneal macrophages were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD80 Rabbit RecAb (CL647-FcA98158, Clone: 241371E12) (red) or FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.