

For Research Use Only

# Anti-Mouse CD80 (16-10A1)

Catalog Number: 65076-1-Ig **2 Publications**



## Basic Information

<b>Catalog Number:</b> 65076-1-Ig	<b>GenBank Accession Number:</b> BC131959	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 500ug , 0.5 mg/ml	<b>GeneID (NCBI):</b> 12519	<b>CloneNo.:</b> 16-10A1
<b>Source:</b> Armenian Hamster	<b>UNIPROT ID:</b> Q00609	
<b>Isotype:</b> IgG	<b>Full Name:</b> CD80 antigen	

## Applications

**Tested Applications:**  
FC

**Cited Applications:**  
FC

**Species Specificity:**  
mouse

**Cited Species:**  
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)

## Notable Publications

Author	Pubmed ID	Journal	Application
Xianghui Li	39525955	MedComm (2020)	FC
Alex Cornwell	37238640	Biomolecules	FC

## Storage

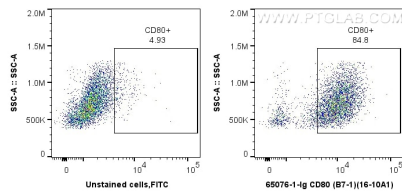
**Storage:**  
Store at 2-8°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide, pH7.3

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## Selected Validation Data



1X10<sup>6</sup> BALB/c mouse peritoneal macrophages were surface stained with 0.5 ug Anti-Mouse CD80 (B7-1) (65076-1-Ig, Clone:16-10A1) and FITC anti-Armenian Hamster IgG Antibody at dilution 1:100 or unstained. Cells were not fixed.