

For Research Use Only

# APC Anti-Mouse CD80 (B7-1) (16-10A1)



Catalog Number: APC-65076

3 Publications

## Basic Information

<b>Catalog Number:</b> APC-65076	<b>GenBank Accession Number:</b> BC131959	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.2 mg/ml	<b>GeneID (NCBI):</b> 12519	<b>CloneNo.:</b> 16-10A1
<b>Source:</b> Armenian Hamster	<b>UNIPROT ID:</b> Q00609	<b>Excitation/Emission maxima wavelengths:</b> 650 nm / 660 nm
<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
Lian Zhu	36321642	J Mater Chem B	FC
Mengyun Peng	38228273	J Control Release	FC
Xuehua Long	36932938	Small	FC

## Storage

**Storage:**

Store at 2-8°C. Avoid exposure to light.

**Storage Buffer:**

Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

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

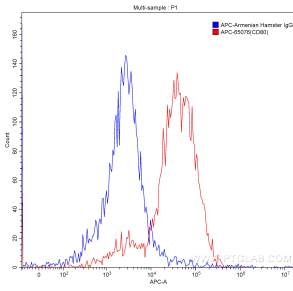
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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## Selected Validation Data



1X10<sup>6</sup> BALB/c mouse peritoneal macrophages were surface stained with 0.20 ug APC-Anti-Mouse CD80 (B7-1) (APC-65076, clone 16-10A1) (red) or 0.20 ug APC-Armenian Hamster IgG isotype control (blue). Cells were not fixed.