

For Research Use Only

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



Catalog Number: PE-65076

4 Publications

## Basic Information

<b>Catalog Number:</b> PE-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>Full Name:</b> CD80 antigen	<b>Excitation/Emission maxima wavelengths:</b> 496 nm, 565 nm / 578 nm
<b>Isotype:</b> IgG		

## Applications

**Tested Applications:**  
FC

**Cited Applications:**  
FC

**Species Specificity:**  
Mouse

**Cited Species:**  
human, 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
Xudong Fan	36382303	Asian J Pharm Sci	FC
Chuyu Xi	38201837	Nutrients	FC
Yingqi Liu	37804510	Cell Rep	FC

## Storage

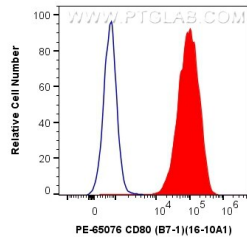
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.1% sodium azide and 0.5% BSA.

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



1X10<sup>6</sup> Balb/c mouse peritoneal macrophages were surface stained with 0.5 ug PE Anti-Mouse CD80 (B7-1) (PE-65076, Clone:16-10A1) (red), or 0.5 ug Isotype Control. Cells were not fixed.