

For Research Use Only

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



Catalog Number: APC-65076

3 Publications

Basic Information

Catalog Number: APC-65076	GenBank Accession Number: BC131959	Purification Method: Affinity purification
Size: 100ug, 0.2 mg/ml	GeneID (NCBI): 12519	CloneNo.: 16-10A1
Source: Armenian Hamster	Full Name: CD80 antigen	Excitation/Emission maxima wavelengths: 650 nm / 660 nm
Isotype: IgG		

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

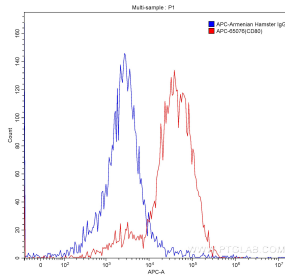
Storage:
Store at 2-8°C. Avoid exposure to light.

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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



1X10⁶ 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.