

For Research Use Only

APC Anti-Mouse CD80 (16-10A1)

Catalog Number: APC-65076 **4 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	UNIPROT ID: Q00609	Excitation/Emission maxima wavelengths: 650 nm / 660 nm
Isotype: IgG	Full Name: 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
Pengfei Yuan	39140567	ACS Nano	FC
Mengyun Peng	38228273	J Control Release	FC

Storage

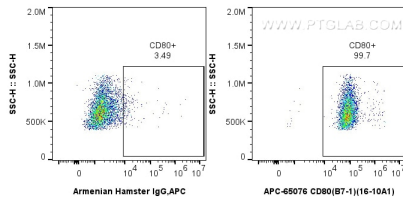
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

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) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1x10⁶ Balb/c mouse peritoneal macrophages were surface stained with 0.4 ug APC Anti-Mouse CD80 (B7-1) (APC-65076, Clone: 16-10A1) or 0.4 ug APC Armenian Hamster IgG Isotype Control (PIP) (APC-65210, Clone: PIP). Cells were not fixed.