

For Research Use Only

FITC Plus Anti-Mouse CD80 (B7-1) (16-10A1)



Catalog Number: FITC-65076

8 Publications

Basic Information

Catalog Number: FITC-65076	GenBank Accession Number: BC131959	Purification Method: Affinity purification
Size: 100ug, 0.5 mg/ml	GeneID (NCBI): 12519	CloneNo.: 16-10A1
Source: Armenian Hamster	Full Name: CD80 antigen	Excitation/Emission maxima wavelengths: 495 nm / 524 nm
Isotype: IgG		

Applications

Tested Applications:
FC

Cited Applications:
FC, IF

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
Xiaojin Chen	36297436	Pharmaceutics	FC
Xianglong Yu	36109853	ACS Appl Mater Interfaces	FC
Ping Yang	36184646	Nat Commun	FC

Storage

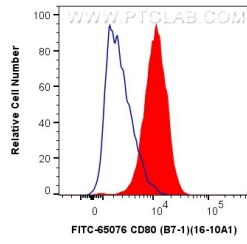
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide.

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Selected Validation Data



1X10⁶ Balb/c mouse peritoneal macrophages were surface stained with 0.5 ug FITC Anti-Mouse CD80 (B7-1) (FITC-65076, Clone:16-10A1) (red), or 0.5 ug Isotype Control. Cells were not fixed.