

For Research Use Only

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

Catalog Number: FITC-65076

13 Publications



Basic Information

Catalog Number:

FITC-65076

Size:

100ug, 0.5 mg/ml

Source:

Armenian Hamster

Isotype:

IgG

GenBank Accession Number:

BC131959

GeneID (NCBI):

12519

UNIPROT ID:

Q00609

Full Name:

CD80 antigen

Purification Method:

Affinity purification

CloneNo.:

16-10A1

Excitation/Emission maxima wavelengths:

495 nm / 524 nm

Applications

Tested Applications:

FC

Cited Applications:

IF, 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
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.

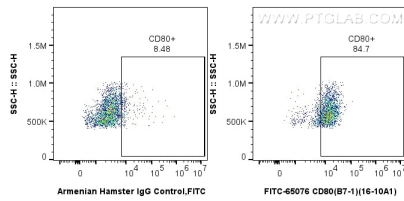
For technical support and original validation data for this product please contact:

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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ Balb/c mouse peritoneal macrophages were surface stained with 0.5 ug FITC Plus Anti-Mouse CD80 (B7-1) (16-10A1) (FITC-65076, Clone: 16-10A1) (red), or 0.5 ug FITC Armenian Hamster IgG Isotype Control (PIP) (FITC-65210, Clone: PIP) (blue). Cells were not fixed.