

For Research Use Only

FITC Plus Anti-Rat CD80 (3H5)

Catalog Number: FITC-65217



Basic Information

Catalog Number: FITC-65217	GenBank Accession Number: XM_017597885	Purification Method: Affinity purification
Size: 100ug, 500 µg/ml	GeneID (NCBI): 25408	CloneNo.: 3H5
Source: Mouse	Full Name: Cd80 molecule	Excitation/Emission maxima wavelengths: 495 nm / 524 nm
Isotype: IgG1, kappa	Calculated MW: 36 kDa	

Applications

Tested Applications:
FC

Species Specificity:
Rat

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)

Storage

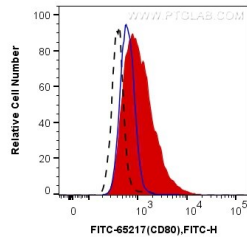
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

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
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Selected Validation Data



1X10⁶ unstimulated (dashed) or LPS-stimulated Wistar rat splenocytes were surface stained with 0.5 ug FITC Plus Anti-Rat CD80 (FITC-65217, Clone: 3H5) (red), or 0.5 ug Control Antibody. Cells were not fixed.