

For Research Use Only

FcZero-rAb™ Biotin Anti-Human CD80 Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98384



Basic Information

Catalog Number: Biotin-FcA98384	GenBank Accession Number: NM_005191	Purification Method: Protein A purification
Concentration: 100ug, 500 ug/ml	GeneID (NCBI): 941	CloneNo.: 242913B11
Source: Rabbit	UNIPROT ID: P33681	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: CD80 molecule	Excitation/Emission maxima wavelengths: -
Immunogen Catalog Number: EG3505	Calculated MW: 33 kDa	

Applications

Tested Applications: FC, ELISA	Positive Controls: FC : Raji cells,
Species Specificity: human	

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, pH7.3

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

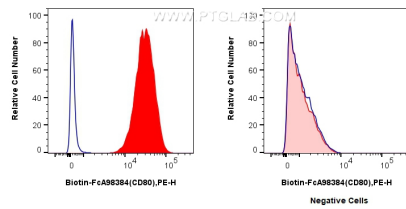
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ Raji cells (left) or HUVEC cells (right) were surface stained with 0.25 ug Biotin Anti-Human CD80 Rabbit RecAb (Biotin-FcA98384, Clone: 242913B11) (red) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.