

For Research Use Only

FcZero-rAb® CoraLite® Plus 488 Anti-Human CD80 Rabbit Recombinant Antibody

Catalog Number: **CL488-FcA98384**



Basic Information

Catalog Number: CL488-FcA98384	GenBank Accession Number: NM_005191	Purification Method: Protein A purification
Concentration: 100tests, 5 ul/test	GeneID (NCBI): 941	CloneNo.: 242913B11
Source: Rabbit	UNIPROT ID: P33681	Recommended Dilutions: FC: 5 ul per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: CD80 molecule	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: EG3505	Calculated MW: 33 kDa	

Applications

Tested Applications: FC	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 and 0.5% BSA, pH7.3

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

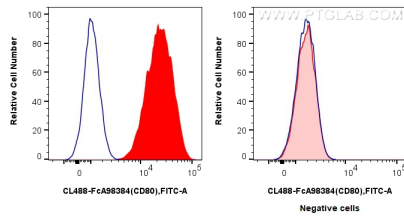
T: 4006900926

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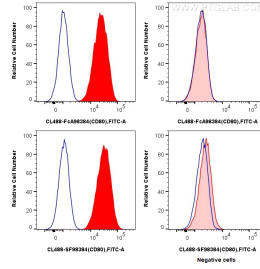
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Selected Validation Data



1x10⁶ Raji cells (left) or HUVEC cells (right) were surface stained with 5 ul CoraLite® Plus 488 Anti-Human CD80 Rabbit RecAb (CL488-FcA98384, Clone: 242913B11) (red) or FcZero-rAb® CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.



1x10⁶ Raji cells were surface stained with 5 ul CoraLite® Plus 488 Anti-Human CD80 Rabbit RecAb (CL488-FcA98384, Clone:242913B11) (red), or 5 ul CoraLite® Plus 488 Anti-Human CD80 Rabbit scFv Antibody (CL488-SF98384, Clone: 242913B11), or 5 ul FcZero-rAb® CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9). Cells were not fixed.