

For Research Use Only

# Anti-Human CD80 Rabbit scFv Antibody

Catalog Number: SF98384-1-RR



## Basic Information

Catalog Number:

SF98384-1-RR

GenBank Accession Number:

NM\_005191

Purification Method:

Affinity purification

Size:

100ug , Concentration: 1000 ug/ml by 941

GeneID (NCBI):

941

CloneNo.:

242913B11

Nanodrop;

Full Name:

CD80 molecule

Recommended Dilutions:

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

Source:

Rabbit

Type:

scFv

Calculated MW:

33 kDa

Immunogen Catalog Number:

EG3505

## 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. Stable for one year after shipment.

Storage Buffer:

50mM HEPES, 150mM NaCl, 5mM EDTA, 5mM DTT, 5% Trehalose, 0.01% Proclin300, pH7.3

\*\*\* 20ul sizes contain 0.1% BSA

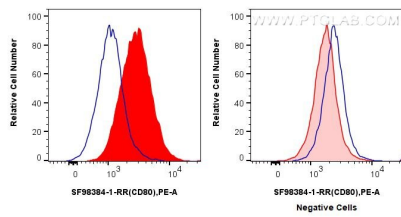
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## Selected Validation Data



1x10<sup>6</sup> Raji cells (left) or HUVEC cells (right) were surface stained with 0.25 ug Anti-Human CD80 Rabbit scFv Antibody (SF98384-1-RR, Clone: 242913B11) (red) or 0.25 ug Anti-N/A IgG Isotype Control Rabbit scFv Antibody (SF98136-1-RR, Clone: 240953C9) (blue), and PE Anti-6<sup>His</sup>, His-Tag Rabbit RecAb (PE-FcA98450, Clone: 251107A1). Cells were not fixed.