

CD80 Recombinant antibody

Catalog Number: 86532-1-RR

Basic Information

Catalog Number:

86532-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3841

GenBank Accession Number:**GeneID (NCBI):**

25408

UNIPROT ID:

Q62680

Full Name:

Cd80 molecule

Calculated MW:

33 kDa

Observed MW:

60-70 kDa

Purification Method:

Protein A purification

CloneNo.:

250725H4

Recommended Dilutions:

WB: 1:1000-1:6000

IF/ICC: 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

mouse, rat

Positive Controls:

WB : NR8383 cells, C2C12 cells, RAW 264.7 cells

IF/ICC : C2C12 cells,

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:

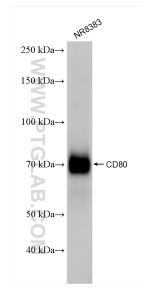
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

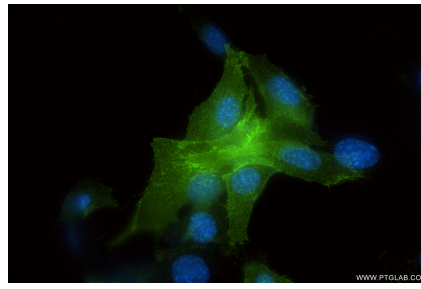
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



NR8383 cells were subjected to SDS PAGE followed by western blot with 86532-1-RR (CD80 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed C2C12 cells using CD80 antibody (86532-1-RR, Clone: 250725H4) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).