

For Research Use Only

# CD80 Recombinant antibody

Catalog Number: 83198-5-RR



## Basic Information

Catalog Number:

83198-5-RR

Size:

100ul , Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_005191

GeneID (NCBI):

941

UNIPROT ID:

P33681

Full Name:

CD80 molecule

Calculated MW:

33 kDa

Observed MW:

55-65 kDa

Purification Method:

Protein A purification

CloneNo.:

242913D1

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : Raji cells, Daudi 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

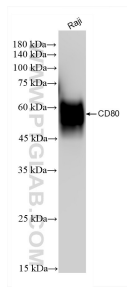
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## Selected Validation Data



Raji cells were subjected to SDS PAGE followed by western blot with 83198-5-RR (CD80/B7-1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.