

For Research Use Only

# Rat CD80 Recombinant antibody, PBS Only

Catalog Number: **86532-1-PBS**



## Basic Information

Catalog Number:	86532-1-PBS	GenBank Accession Number:	
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI):	25408
Source:	Rabbit	UNIPROT ID:	Q62680
Isotype:	IgG	Full Name:	Cd80 molecule
Immunogen Catalog Number:	EG3841	Calculated MW:	33 kDa
		Observed MW:	60-70 kDa

## Applications

Tested Applications:  
WB, IF/ICC, Indirect ELISA

Species Specificity:  
mouse, rat

## 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)

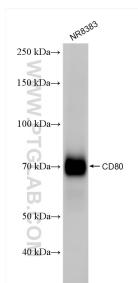
## Storage

Storage:  
Store at -80°C.  
Storage Buffer:  
PBS only, pH7.3

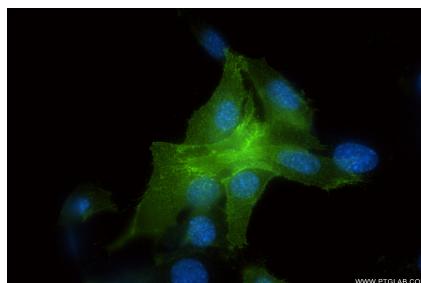
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



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. This data was developed using the same antibody clone with 86532-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 86532-1-PBS in a different storage buffer formulation.