

# Rat CD80 Recombinant antibody, PBS Only

Catalog Number: 86532-1-PBS

## Basic Information

Catalog Number:	86532-1-PBS	GenBank Accession Number:	Purification Method:
Concentration:	1000 µg/ml	GeneID (NCBI):	Protein A purification
Source:	Rabbit	25408	CloneNo.:
Isotype:	IgG	UNIPROT ID:	250725H4
Immunogen Catalog Number:	EG3841	Q62680	
		Full Name:	
		Cd80 molecule	
		Calculated MW:	
		33 kDa	
		Observed MW:	
		60-70 kDa	

## Applications

Tested Applications:  
WB, IF/ICC, Indirect ELISA  
Species Specificity:  
mouse, rat

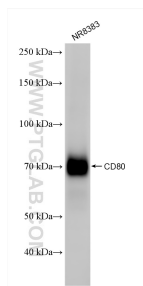
## Background Information

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)

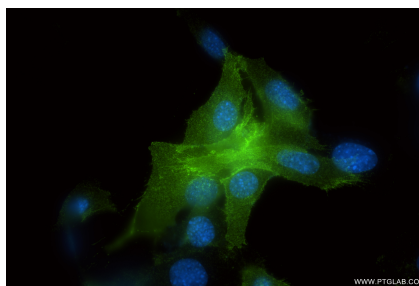
## Storage

Storage:  
Store at -80°C.  
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C  
Storage Buffer:  
PBS only, pH7.3

## 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.