

For Research Use Only

Mouse CD80 Recombinant antibody, PBS Only

Catalog Number: 84137-5-PBS



Basic Information

Catalog Number: 84137-5-PBS	GenBank Accession Number: NM_009855.2	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 12519	CloneNo.: 241371E10
Source: Rabbit	UNIPROT ID: Q00609-1	
Isotype: IgG	Full Name: CD80 antigen	
	Calculated MW: 35 kDa	
	Observed MW: 60 kDa	

Applications

Tested Applications:
WB, Indirect ELISA
Species Specificity:
mouse

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)

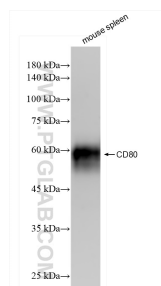
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

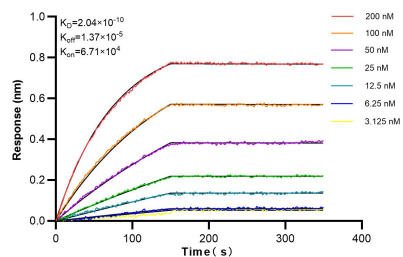
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Selected Validation Data



mouse spleen tissue was subjected to SDS PAGE followed by western blot with 84137-5-RR (CD80/B7-1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84137-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84137-5-RR against Mouse CD80/B7-1 were performed. The affinity constant is 0.204 nM.