

For Research Use Only

Mouse CD80 Recombinant antibody, PBS Only

Catalog Number: 84137-5-PBS



Basic Information

Catalog Number:

84137-5-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_009855.2

GeneID (NCBI):

12519

UNIPROT ID:

Q00609-1

Full Name:

CD80 antigen

Calculated MW:

35 kDa

Observed MW:

60 kDa

Purification Method:

Protein A purification

CloneNo.:

241371E10

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

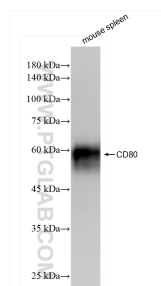
T: 4006900926

E: Proteintech-CN@ptglab.com

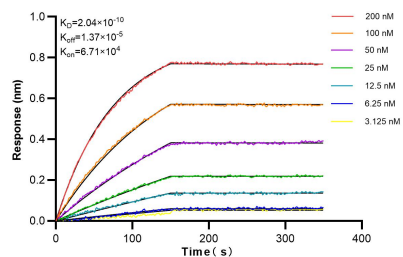
W: ptgcn.com

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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.