

For Research Use Only

# Mouse CD80 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84137-6-PBS



## Basic Information

<b>Catalog Number:</b> 84137-6-PBS	<b>GenBank Accession Number:</b> NM_009855.2	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 12519	<b>CloneNo.:</b> 241371A6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q00609-1	
<b>Isotype:</b> IgG	<b>Full Name:</b> CD80 antigen	
	<b>Calculated MW:</b> 35 kDa	

## Applications

**Tested Applications:**  
Sandwich ELISA, Indirect ELISA, Sample test

**Species Specificity:**  
mouse

## Product Information

84137-6-PBS targets CD80 as part of a matched antibody pair:

MP01051-4: 84137-6-PBS capture and 84137-4-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Storage

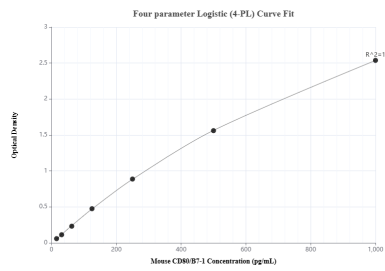
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

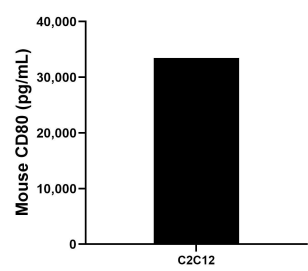
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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Selected Validation Data



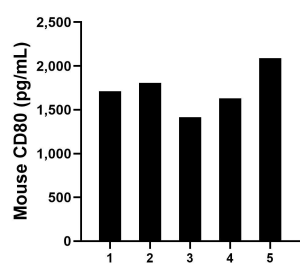
Sandwich ELISA standard curve of MP01051-4, Mouse CD80/B7-1 Recombinant Matched Antibody Pair - PBS only. 84137-6-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0840. 84137-4-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/mL



The mean CD80/B7-1 concentration was determined to be 33,454.1 pg/mL in C2C12 cell extract based on a 3.2 mg/mL extract load.



Mouse spleen tissue was cultured in RPMI supplemented with 10% fetal bovine serum, 5 µM β-mercaptoethanol, 2 mM L-glutamine, 100 U/mL penicillin, and 100 µg/mL streptomycin sulfate. An aliquot of the cell culture supernate was removed, assayed for mouse CD80/B7-1, and measured 10.44 pg/mL



Serum of five mice was measured. The mouse CD80/B7-1 concentration of detected samples was determined to be 1,731.45 pg/mL with a range of 1,416.7 - 2,090.4 ng/mL