

For Research Use Only

# Mouse CD73 Recombinant antibody, PBS Only (Detector)

Catalog Number: 84434-4-PBS



## Basic Information

<b>Catalog Number:</b> 84434-4-PBS	<b>GenBank Accession Number:</b> NM_011851.4	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 23959	<b>CloneNo.:</b> 241541F5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q61503	
<b>Isotype:</b> IgG	<b>Full Name:</b> 5' nucleotidase, ecto	
	<b>Calculated MW:</b> 64kDa	
	<b>Observed MW:</b> 60 kDa	

## Applications

**Tested Applications:**  
WB, IF/ICC, Cytometric bead array, Indirect ELISA

**Species Specificity:**  
mouse

## Product Information

84434-4-PBS targets CD73 as part of a matched antibody pair:

MP01279-1: 84434-3-PBS capture and 84434-4-PBS detection (validated in Cytometric bead array)

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.

## Background Information

CD73, also known as ecto-5'-nucleotidase (5'-NT), is a glycosyl-phosphatidylinositol-linked membrane-bound glycoprotein found in most tissues (PMID: 18404475; 20179192). CD73 is an ectoenzyme that catalyzes the dephosphorylation of AMP and other nucleoside monophosphates (PMID: 9553767). In the human immune system, CD73 is expressed on subsets of T and B cells, on germinal center follicular dendritic cells, and on thymic medullary reticular fibroblasts and epithelial cells (PMID: 2137649; 9553767). CD73 is highly expressed in many human solid tumors and is closely involved in cancer progression (PMID: 20179192).

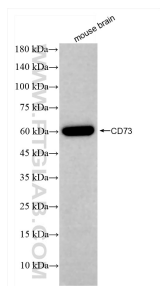
## Storage

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

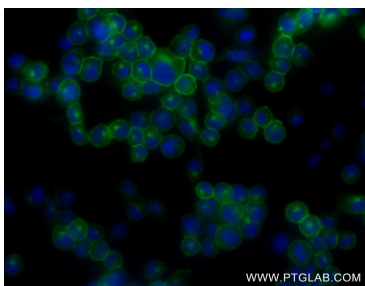
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

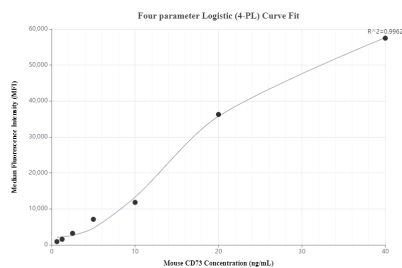
## Selected Validation Data



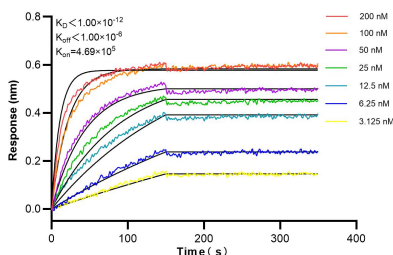
mouse brain tissue was subjected to SDS PAGE followed by western blot with 84434-4-RR (5'-Nucleotidase/CD73 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84434-4-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed 4T1 cells using 5'-Nucleotidase/CD73 antibody (84434-4-RR, Clone: 241541F5) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 84434-4-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01279-1, MOUSE CD73 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84434-3-PBS. Detection antibody: 84434-4-PBS. Standard: Eg1389. Range: 0.625-40 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 84434-4-RR against Mouse CD73 were performed. The affinity constant is below 1 pM.