

For Research Use Only

# CD73 Recombinant antibody

Catalog Number: 84434-4-RR



## Basic Information

<b>Catalog Number:</b> 84434-4-RR	<b>GenBank Accession Number:</b> NM_011851.4	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 23959	<b>CloneNo.:</b> 241541F5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q61503	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF/ICC 1:125-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> 5' nucleotidase, ecto	
	<b>Calculated MW:</b> 64kDa	
	<b>Observed MW:</b> 60 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> mouse	<b>WB :</b> mouse brain tissue, <b>IF/ICC :</b> 4T1 cells,

## 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

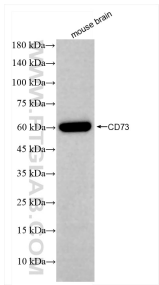
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

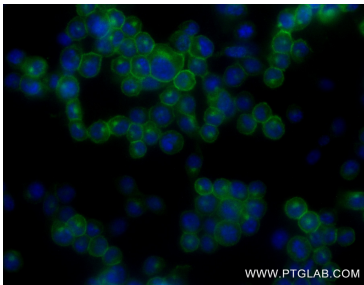
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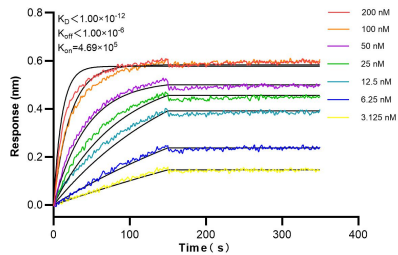
Selected Validation Data



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.



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).



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