

For Research Use Only

CD73 Recombinant antibody

Catalog Number: 84434-4-RR



Basic Information

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

Applications

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

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

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

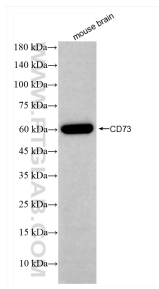
T: 4006900926

E: Proteintech-CN@ptglab.com

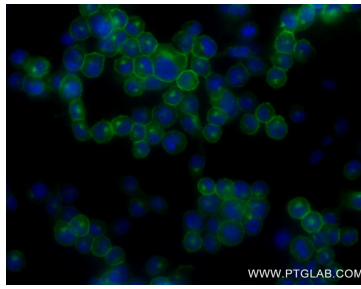
W: ptgcn.com

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

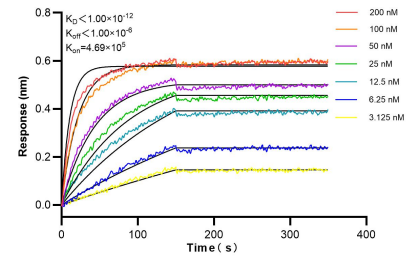
Selected Validation Data



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.



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).



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