

For Research Use Only

CD73 Recombinant antibody

Catalog Number: 86512-3-RR



Basic Information

Catalog Number:	86512-3-RR	GenBank Accession Number:	NM_002526.3	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenID (NCBI):	4907	CloneNo.:	251250H3
Source:	Rabbit	UNIPROT ID:	P21589-1	Recommended Dilutions:	WB: 1:1000-1:6000 IF/ICC: 1:400-1:1600
Isotype:	IgG	Full Name:	5'-nucleotidase, ecto (CD73)		
Immunogen Catalog Number:	EG2974	Calculated MW:	63 kDa		
		Observed MW:	63-70 kDa		

Applications

Tested Applications:	Positive Controls:
WB, IF/ICC, ELISA	WB: HuH-7 cells, A375 cells, HT-29 cells
Species Specificity:	IF/ICC: U-251 cells,
human	

Background Information

NT5E(5'-nucleotidase) is also named as NT5, NTE, CD73, ecto-5'-nucleotidase, and belongs to the 5'-nucleotidase family. It catalyzes the conversion at neutral pH of purine 5-prime mononucleotides to nucleosides, the preferred substrate being AMP. The enzyme occurs mainly as a dimer and the wide distribution of NT5E in the rat hippocampus, suggesting their involvement in the control of the purinergic signaling (PMID:17619139). This protein has two isoforms with the molecular weight of 63 kDa and 58 kDa and four glycosylation sites with a signal peptide. It can exist as a dimer (PMID:17619139). It can be detected by the band of 55 kDa, 64 kDa, 70 kDa, 110 kDa by western blot (PMID:17619139; 12370277; 21533188). Defects in NT5E are the cause of calcification of joints and arteries (CALJA).

Storage

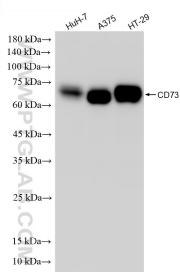
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

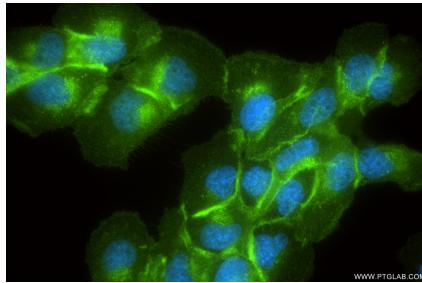
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86512-3-RR (CD73 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed U-251 cells using CD73 antibody (86512-3-RR, Clone: 251250H3) at dilution of 1:800 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).