

For Research Use Only

Mouse 5'-Nucleotidase/CD73 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84434-3-PBS



Basic Information

Catalog Number: 84434-3-PBS	GenBank Accession Number: NM_011851.4	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 23959	CloneNo.: 241541D10
Source: Rabbit	UNIPROT ID: Q61503	
Isotype: IgG	Full Name: 5' nucleotidase, ecto	
	Calculated MW: 64kDa	

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA, Indirect ELISA,
Sample test

Species Specificity:
mouse

Product Information

84434-3-PBS targets 5'-Nucleotidase/CD73 as part of a matched antibody pair:

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

MP01279-4: 84434-3-PBS capture and 84434-7-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

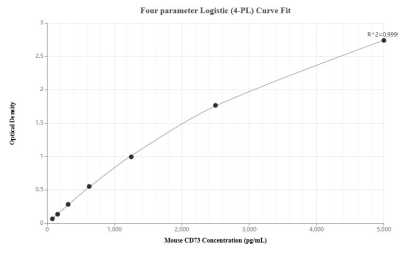
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

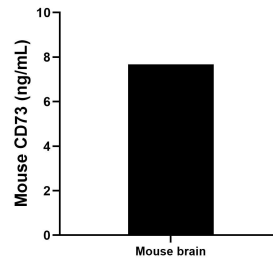
E: proteintech@ptglab.com
W: ptglab.com

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

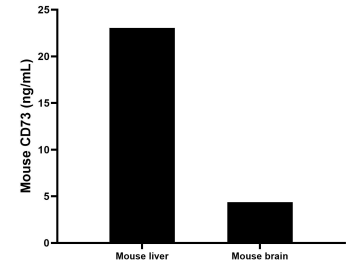
Selected Validation Data



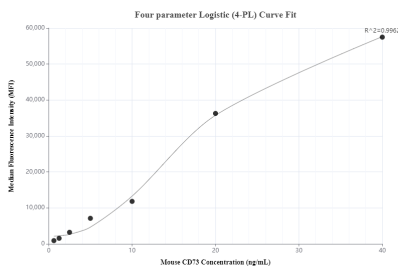
Sandwich ELISA standard curve of MP01279-4, Mouse CD73 Recombinant Matched Antibody Pair - PBS only. 84434-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1389. 84434-7-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL



The mean CD73 concentration was determined to be 7.68 ng/mL in mouse brain tissue extract based on a 2.0 mg/mL extract load.



Mouse liver and brain tissue were rinsed with 1X PBS to remove excess blood, homogenized in 20 mL of 1X PBS and stored overnight at $\leq -20^{\circ}\text{C}$. Homogenates were thawed and centrifuged for 5 minutes at 5000 x g. Homogenates were assayed for mouse CD73 and measured 23.05 ng/mL based on a 3.3 mg/mL homogenate load, and 4.37 ng/mL based on a 2.2 mg/mL homogenate load, respectively.



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