

For Research Use Only

Mouse CD73 Recombinant antibody, PBS Only (Detector)

Catalog Number: 84434-4-PBS



Basic Information

Catalog Number:

84434-4-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_011851.4

GeneID (NCBI):

23959

UNIPROT ID:

Q61503

Full Name:

5' nucleotidase, ecto

Calculated MW:

64kDa

Observed MW:

60 kDa

Purification Method:

Protein A purification

CloneNo.:

241541F5

Applications

Tested Applications:

WB, IF/ICC, Cytometric bead array, Indirect ELISA

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

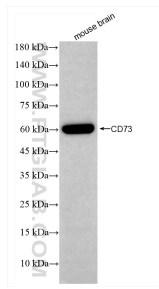
T: 4006900926

E: Proteintech-CN@ptglab.com

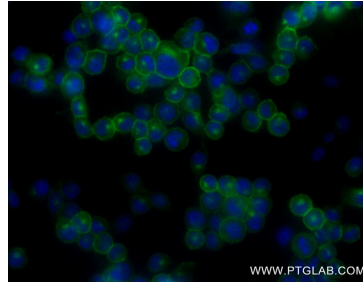
W: ptgcn.com

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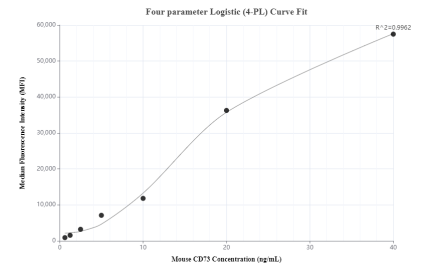
Selected Validation Data



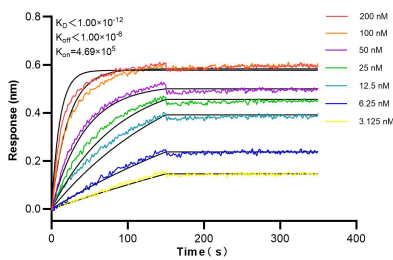
mouse brain tissue was subjected to SDS PAGE followed by western blot with 84434-4-RR (5'-Nucleotidase/CD73 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84434-4-PBS in a different storage buffer formulation.



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



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