

For Research Use Only

Biotin Anti-Human CD73 (AD2) Mouse IgG2a Recombinant Antibody

Catalog Number: Biotin-65564



Basic Information

Catalog Number:

Biotin-65564

Concentration:

100ug, 500 ug/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC015940

GeneID (NCBI):

4907

UNIPROT ID:

P21589

Full Name:

5'-nucleotidase, ecto (CD73)

Calculated MW:

29 kDa, 63 kDa

Purification Method:

Protein A purification

CloneNo.:

AD2

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in 100 μ l suspension

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

Background Information

CD73, also known as ecto-5'-nucleotidase (5'-NT), is a 70-kDa, 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 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

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

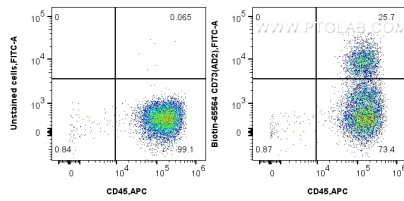
T: 4006900926

E: Proteintech-CN@ptglab.com

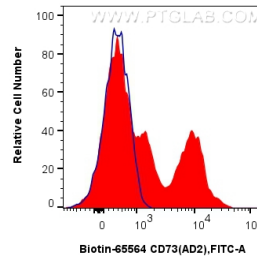
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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD73 (AD2) Mouse IgG2a RecAb (Biotin-65564, Clone: AD2) and CoraLite®488-conjugated streptavidin, or unstained. Cells were then stained with APC Anti-Human CD45. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD73 (AD2) Mouse IgG2a RecAb (Biotin-65564, Clone: AD2) (red) and CoraLite®488-conjugated streptavidin, or unstained (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.