

For Research Use Only

# CoraLite® Plus 647 Anti-Human CD73 (AD2)

Catalog Number: CL647-65162



## Basic Information

Catalog Number:

CL647-65162

Concentration:

100 tests, 5 µl / test

Source:

Mouse

Isotype:

IgG1, kappa

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 G purification

CloneNo.:

AD2

Recommended Dilutions:

FC: 0.5 µg per 10<sup>6</sup> cells in 100 µl suspension

Excitation/Emission maximum wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

FC

Species Specificity:

Human

Positive Controls:

FC : human peripheral blood lymphocytes,

## 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 and 0.5% BSA, pH7.3

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

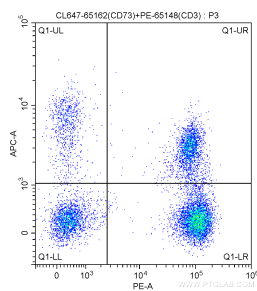
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

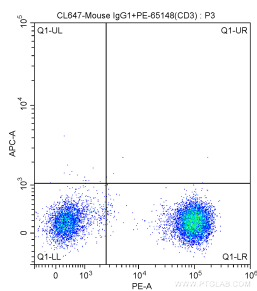
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1X10<sup>6</sup> human peripheral blood lymphocytes were surface stained with PE-Anti-Human CD3 (PE-65148, Clone: SK7) and 5 ul CoraLite® Plus 647-conjugated Anti-Human CD73 (CL647-65162, Clone: AD2). Cells were not fixed.



1X10<sup>6</sup> human peripheral blood lymphocytes were surface stained with PE-Anti-Human CD3 (PE-65148, Clone: SK7) and CoraLite® Plus 647-conjugated mouse IgG1 isotype control antibody. Cells were not fixed.