SONY

Product Data Sheet

APC/Cyanine7 anti-human CD73 (Ecto-5'-nucleotidase)

Catalog # / Size: 2320105 / 25 tests
2320110 / 100 tests

Clone: AD2

Isotype: Mouse IgG1, κ

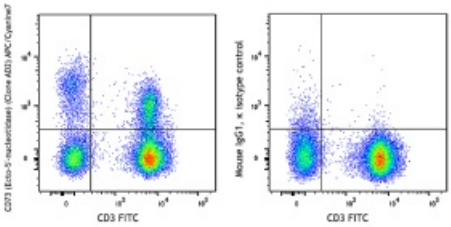
Reactivity: Human, Non-human primate

Preparation: The antibody was purified by affinity chromatography and conjugated with APC/Cyanine7 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).

Workshop Number: V B-CD73.3

Concentration: Lot-specific



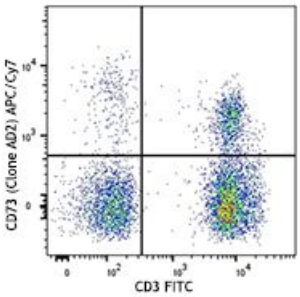
Human peripheral blood lymphocytes were stained with CD3 FITC and CD73 (Ecto-5'-nucleotidase)(clone AD2) APC/Cyanine7 (left) or Mouse IgG1, κ APC/Cyanine7 isotype control (right).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include:immunofluorescence3.



Human peripheral blood lymphocytes were stained with CD3 FITC and CD73 (clone AD2) APC/Cy7 (top) or mouse IgG1, κ APC/Cy7 isotype control (bottom).

Application References:

1. Nakamura T, *et al.* 1993. *J. Immunol.* 151:6933.
2. Liao J, *et al.* 2011. *J Endod.* 37:1217. PubMed
3. Touboul C, *et al.* 2013. *J. Transl. Med.* 11:28. (IF)
4. Terp MG, *et al*. 2013. *J Immunol*. 191: 4165-73 (Block)

Description: CD73 is a 70 kD glycophosphatidylinositol (GPI)-linked 5'-nucleotidase, which is also known as ecto-5'-nucleotidase. It converts adenosine monophosphate (AMP) to adenosine. CD73 is expressed on subsets of T and B cells, mesenchymal stem cells, follicular dendritic cells, endothelial cells, and epithelial cells. It has been reported that CD73 costimulates T cell activation, and mediates adhesion of lymphocytes to follicular dendritic cells and endothelial cells.

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Antigen References:

1. Zola H, *et al.* 2007. *Leukocyte and stromal Cell Molecules:the CD Markers.* A John Wiley & Sons Inc, Publication.
2. Airas L and Jalkanen S, *et al.* 1996. *Blood* 88:1755.
3. Gutensohn W, *et al.* 1995. *Cell Immunol.* 161:213.
4. Airas L, *et al.* 1995. *J. Exp. Med.* 182:1603.

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