SONY

Product Data Sheet

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

Catalog # / Size: 2320030 / 100 tests
2320025 / 25 tests

Clone: AD2

Isotype: Mouse IgG1, κ

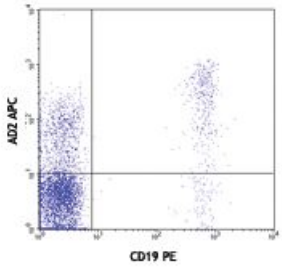
Reactivity: Human, Non-human primate

Preparation: The antibody was purified by affinity chromatography, and conjugated with APC 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

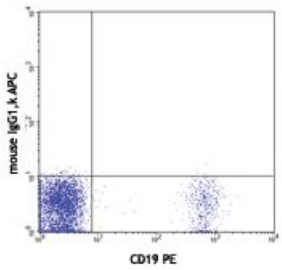


Human peripheral blood lymphocytes stained with AD2 APC and CD19 PE (top) or mouse IgG1, k APC isotype control and CD19 PE (bottom).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 µl to 5 µl per test**. Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 µl staining volume or 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.

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.

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.