

APC anti-human CD73 (Ecto-55'-nucleotidase)

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

Clone: AD2

Isotype: Mouse IgG1, κ

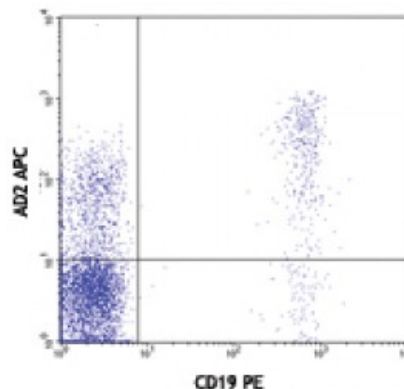
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) 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, κ APC isotype control and CD19 PE (bottom).

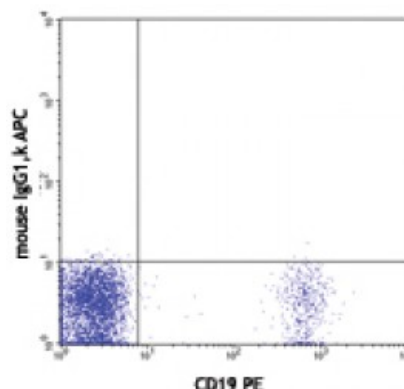
Applications:

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 microl to 5 microl per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microl staining volume or per 100 microl 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)



Description: CD73 is a 70 kD glycoposphatidylinositol (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.*