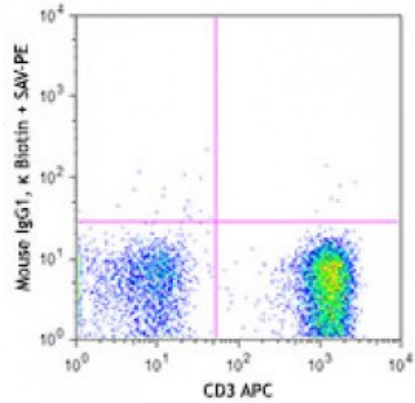


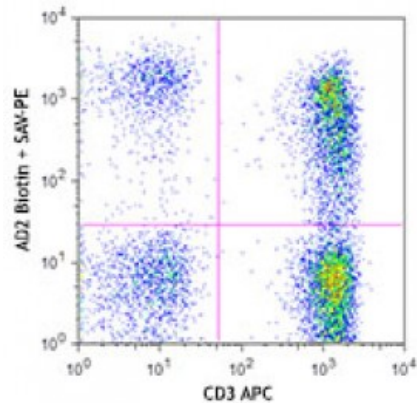
Biotin anti-human CD73 (Ecto-55'-nucleotidase)

Catalog # / Size: 2320085 / 50 µg
Clone: AD2
Isotype: Mouse IgG1, κ
Reactivity: Human
Preparation: The antibody was purified by affinity chromatography and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Workshop Number: V B-CD73.3
Concentration: 0.2



Applications:

Applications: Immunofluorescence
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 ≤0.5 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.



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Human peripheral blood lymphocytes were stained CD3 APC and biotinylated CD73 (clone AD2) (top), or biotinylated mouse IgG1, κ isotype control (bottom), followed by Streptavidin PE.

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.*