

**FITC anti-human CD73 (Ecto-55'-nucleotidase)**

**Catalog # / Size:** 2320080 / 100 tests  
2320075 / 25 tests

**Clone:** AD2

**Isotype:** Mouse IgG1, κ

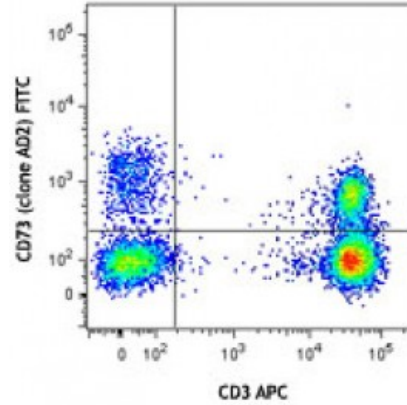
**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography and conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC 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 were stained with CD3 APC and CD73 (clone AD2) FITC (top) or mouse IgG1, κ FITC isotype control (bottom).

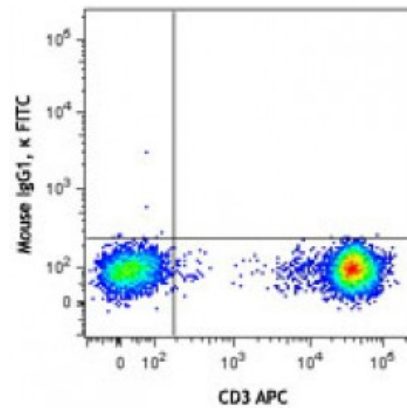
**Applications:**

**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 microL per million cells or 5 microL 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.*