

**APC anti-human CD63**

**Catalog # / Size:** 2365040 / 100 tests  
2365035 / 25 tests

**Clone:** H5C6

**Isotype:** Mouse IgG1,  $\kappa$

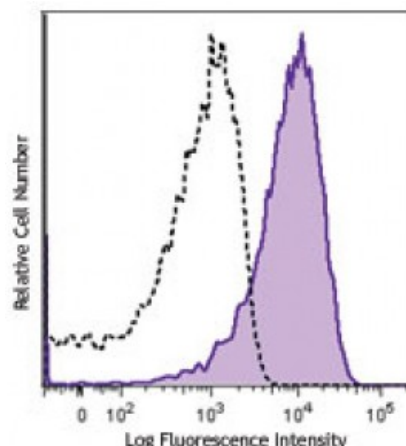
**Immunogen:** T cell line HPB-ALL

**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).

**Concentration:** Lot-specific



Thrombin-activated human peripheral blood platelets were stained with CD63 (clone H5C6) APC (filled histogram) or mouse IgG1,  $\kappa$  APC isotype control (open histogram).

**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: Western blotting<sup>1</sup>, immunofluorescence<sup>2</sup>, and immunoprecipitation<sup>1</sup>.

**Application References:** 1. Hildreth JE, *et al.* 1991. *Blood* 77:121. (IP, WB)  
2. Beatty WL, *et al.* 2006. *J. Cell Sci.* 119:350. (IF)

**Description:** CD63 is a 53 kD type III lysosomal glycoprotein also known as LIMP, LAMP-3, gp55, and melanoma-associated antigen (ME491). CD63 is a member of the tetraspan transmembrane superfamily (TM4SF) protein expressed on activated platelets, monocytes/macrophages, endothelium, fibroblasts, osteoclasts, and smooth muscle cells. CD63 may be involved in platelet activation and is thought to function as a transmembrane adaptor protein. CD63 has been shown to associate with CD9, CD81, VLA-3, and VLA-6.

**Antigen References:** 1. Azorsa DO, *et al.* 1991. *Blood* 78:280.  
2. Kishimoto T, *et al.* Eds. 1997. Leukocyte Typing V1. Oxford University Press New York.  
3. Hildreth JE, *et al.* 1991. *Blood* 77:121.  
4. Anzai N, *et*