

**APC/Cyanine7 anti-human CD63**

**Catalog # / Size:** 2365225 / 25 tests

**Clone:** H5C6

**Isotype:** Mouse IgG1, κ

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

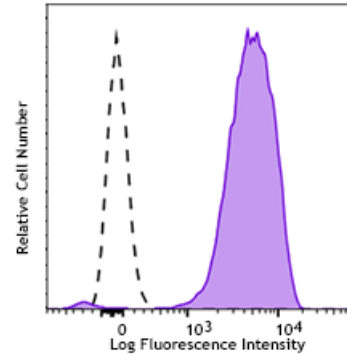
**Reactivity:** Human, Non-human primate, Other

**Preparation:** The antibody was purified by affinity chromatography and conjugated with APC/Cyanine7 under optimal conditions.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA)

**Workshop Number:** HCDM listed

**Concentration:** Lot-specific



Thrombin-activated human peripheral blood platelets were stained with CD63 (clone H5C6) APC/Cyanine7 (filled histogram) or mouse IgG1, κ APC/Cyanine7 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. For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells in 100 µL staining volume or 5 µL 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: 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 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 al.* 2002. *Blood* 99:4413.