

Biotin anti-human CD63

Catalog # / Size: 2365085 / 50 µg
2365090 / 200 µg

Clone: H5C6

Isotype: Mouse IgG1, κ

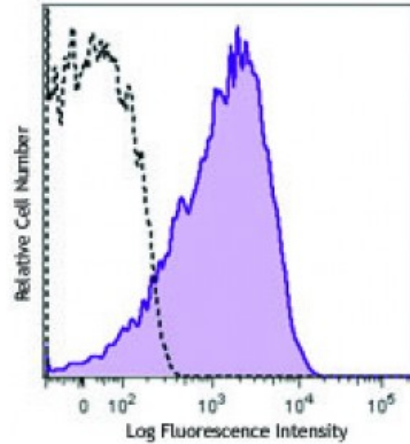
Immunogen: T cell line HPB-ALL

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.

Concentration: 0.5



Thrombin-activated platelets were stained with biotinylated CD63 (clone H5C6, filled histogram) or mouse IgG1, κ (open histogram) isotype control, followed by Sav-PE.

Applications:

Applications: Other

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 ≤0.25 microg per million cells in 100 microL volume. 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 blotting¹, immunofluorescence², and immunoprecipitation¹.

Application References:

- Hildreth JE, *et al.* 1991. *Blood* 77:121. (IP, WB)
- Beatty WL, *et al.* 2006. *J. Cell Sci.* 119:350. (IF)
- Stratton D, *et al.* 2015. *Biochem Biophys Res Commun.* 460:589. [PubMed](#)

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:

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