
Product Data Sheet

PE/Cyanine5 anti-human CD63

Catalog # / Size:	2365265 / 25 tests 2365270 / 100 tests	□ Thrombin-activated human peripheral blood platelets were stained with anti-human CD63 (clone H5C6) PE/Cyanine5 (filled histogram) or mouse IgG1, κ PE/Cyanine5 isotype control (open histogram).
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 PE/Cyanine5 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	

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 blotting¹, immunofluorescence², and immunoprecipitation¹.

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 al.* 2002. *Blood* 99:4413.