

APC anti-human CD63 Antibody

Catalog# / Size	377157 / 25 tests
Clone	W23245E
Regulatory Status	RUO
Other Names	LIMP, LAMP-3, Melanoma-associated antigen (ME491), Pltgp40, gp55
Isotype	Rat IgG2b, κ
Description	CD63, also known as LIMP, LAMP-3, gp55, and melanoma-associated antigen (ME491), is a 53 kD type III lysosomal glycoprotein. It is a member of the tetraspan transmembrane superfamily (TM4SF) and is expressed on activated platelets, monocytes/macrophages, endothelial cells, fibroblasts, osteoclasts, and smooth muscle cells. CD63 is implicated 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.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Full-length human CD63 transfectant cells
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
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 μ L per million cells in 100 μ L staining volume or 5 μ L per 100 μ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Red Laser (633 nm)
Application Notes	Clone W23245E can block the binding of clone H5C6 on target cells.

Antigen Details

Structure	Tetraspan transmembrane superfamily (TM4SF), type III lysosomal glycoprotein, 53 kD
Distribution	Activated platelets, monocytes, macrophages, endothelium, fibroblasts, osteoclasts, and smooth muscle
Function	Platelet activation
Interaction	CD9, CD81, VLA-3, and VLA-6

Cell Type	B cells, Endothelial cells, Fibroblasts, Macrophages, Monocytes, Osteoclasts, Platelets
Biology Area	Cell Adhesion, Cell Biology, Immunology
Molecular Family	Adhesion Molecules, CD Molecules
Antigen References	1. Azorsa DO, <i>et al.</i> 1991. <i>Blood</i>. 78:280. 2. Kishimoto T, <i>et al. Eds.</i> 1997. <i>Leukocyte Typing V1</i>. Oxford University Press New York. 3. Hildreth JE, <i>et al.</i> 1991. <i>Blood</i>. 77:121. 4. Anzai N, <i>et al.</i> 2002. <i>Blood</i>. 99:4413.
Gene ID	967

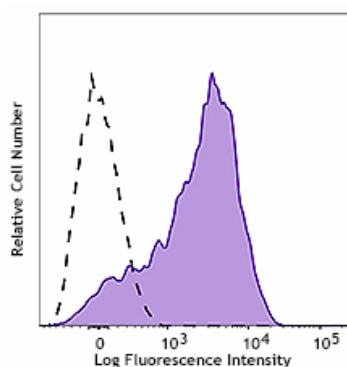
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human CD63, APC anti-human CD63

Product Data



Thrombin-activated human peripheral blood platelets were stained with anti-human CD63 (clone W23245E) APC (filled histogram) or rat IgG2b, κ APC isotype control (open histogram).

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