

Alexa Fluor® 594 anti-human CD63 Antibody

Catalog# / Size	353033 / 25 µg 353034 / 100 µg
Clone	H5C6
Regulatory Status	RUO
Workshop	HCDM listed
Other Names	LIMP, LAMP-3, Melanoma-associated antigen (ME491), PItgp40, gp55
Isotype	Mouse IgG1, κ
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.

Product Details

Verified Reactivity	Human
Reported Reactivity	African Green, Baboon, Cynomolgus, Rhesus
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	T cell line HPB-ALL
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preparation	The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 594 under optimal conditions.
Concentration	0.5 mg/ml
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	IHC-P - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by formalin-fixed paraffin-embedded immunohistochemical staining. For immunohistochemistry, a concentration range of 5.0 - 10 µg/ml is suggested. It is recommended that the reagent be titrated for optimal performance for each application. * Alexa Fluor® 594 has an excitation maximum of 590 nm, and a maximum emission of 617 nm. Alexa Fluor® and Pacific Blue™ are trademarks of Life Technologies Corporation. View full statement regarding label licenses
Application Notes	Additional reported applications (for the relevant formats) include: Western blotting ¹ , immunofluorescence ² , and immunoprecipitation ¹ .
Application References	1. Hildreth JE, <i>et al.</i> 1991. <i>Blood</i> 77:121. (IP, WB) 2. Beatty WL, <i>et al.</i> 2006. <i>J. Cell Sci.</i> 119:350. (IF)
(PubMed link indicates BioLegend citation)	
RRID	AB_2750029 (BioLegend Cat. No. 353033) AB_2750030 (BioLegend Cat. No. 353034)

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

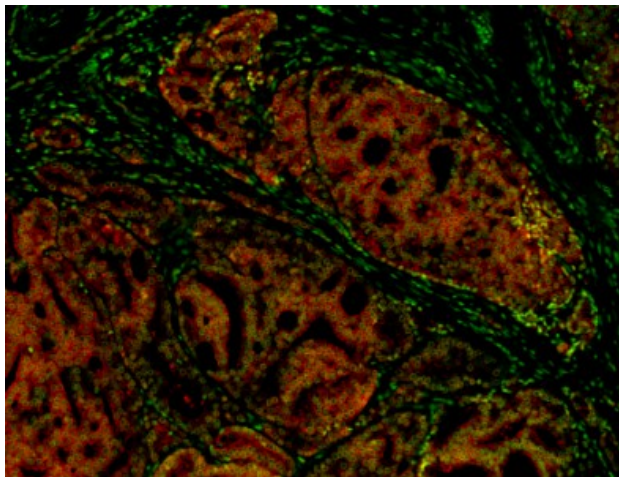
1. Azorsa DO, *et al.* 1991. *Blood* 78:280.
2. Kishimoto T, *et al.* Eds. 1997. *Leukocyte Typing V1*. Oxford University Press New York.
3. Hildreth JE, *et al.* 1991. *Blood* 77:121.
4. Anzai N, *et al.* 2002. *Blood* 99:4413.

Gene ID [967](#)

Other Formats

PE anti-human CD63, FITC anti-human CD63, Pacific Blue™ anti-human CD63, APC anti-human CD63, PE/Cyanine7 anti-human CD63, Alexa Fluor® 647 anti-human CD63, Biotin anti-human CD63, PerCP/Cyanine5.5 anti-human CD63, PE/Dazzle™ 594 anti-human CD63, Brilliant Violet 421™ anti-human CD63, Brilliant Violet 650™ anti-human CD63, APC/Fire™ 750 anti-human CD63, Alexa Fluor® 700 anti-human CD63, Brilliant Violet 510™ anti-human CD63, Alexa Fluor® 594 anti-human CD63, TotalSeq™-A0404 anti-human CD63, Alexa Fluor® 488 anti-human CD63, Ultra-LEAF™ Purified anti-human CD63, Brilliant Violet 711™ anti-human CD63, Brilliant Violet 785™ anti-human CD63, APC/Cyanine7 anti-human CD63, TotalSeq™-B0404 anti-human CD63, TotalSeq™-C0404 anti-human CD63, Brilliant Violet 605™ anti-human CD63 Antibody, PE/Cyanine5 anti-human CD63 Antibody

Product Data



Human paraffin-embedded prostate tissue slices were prepared with a standard protocol of deparaffinization and rehydration. Antigen retrieval was done with Sodium Citrate H.I.E.R. 1X at 95°C for 40 minutes. Tissue was washed with PBS/0.05% Tween 20 twice for five minutes and blocked with 5% FBS and 0.2% gelatin for 30 minutes. Then, the tissue was stained with 10 µg/mL of anti-human CD63 (clone H5C6) Alexa Fluor® 594 (red) at 4°C overnight. Nuclei were counterstained with DAPI (green). The image was captured with a 10X objective.

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