# Product Data Sheet

## Alexa Fluor® 488 anti-human CD63

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| **Catalog # / Size:** | 2365190 / 100 tests<br>2365185 / 25 tests |
| **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 Alexa Fluor® 488 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 488. |
| **Formulation:** | Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA). |
| **Workshop Number:** | HCDM listed |

Thrombin-activated human peripheral blood platelets were stained with CD63 (clone H5C6) Alexa FluorÃ‚Â® 488 (filled histogram) or mouse IgG1

## Applications:

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| **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.<br><br>* Alexa Fluor® 488 has a maximum emission of 519 nm when it is excited at 488 nm. |
| **Application Notes:** | Additional reported applications (for the relevant formats) include: Western blotting[1], immunocytochemistry[2], and immunoprecipitation[1]. |
| **Application References:** | 1. Azorsa DO, *et al.* 1991. *Blood* 78:280.<br>2. Kishimoto T, *et al.* Eds. 1997. Leukocyte Typing V1. Oxford University Press New York.<br>3. Hildreth JE, *et al.* 1991. *Blood* 77:121.<br>4. Anzai N, *et al.* 2002. *Blood* 99:4413. |

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| **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.<br>2. Kishimoto T, *et al.* Eds. 1997. Leukocyte Typing V1. Oxford University Press New York.<br>3. Hildreth JE, *et al.* 1991. *Blood* 77:121.<br>4. Anzai N, *et al.* 2002. *Blood* 99:4413. |