

Brilliant Violet 785™ anti-human CD63

Catalog # / 2365220 / 100 tests
Size: 2365215 / 25 tests

Clone: H5C6

Isotype: Mouse IgG1, κ

Immunogen: T cell line HPB-ALL

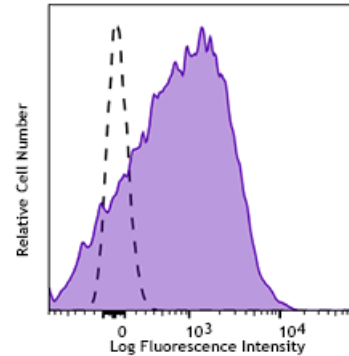
Reactivity: Human, Non-human primate, Other

Preparation: The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 785™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 785™ and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).

Workshop Number: HCDM listed

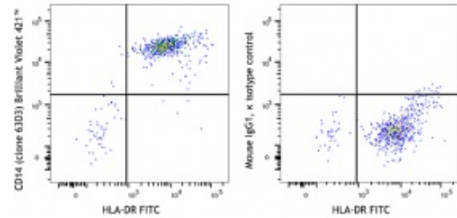
Concentration: Lot-specific



Thrombin-activated human peripheral blood platelets were stained with CD63 (clone H5C6) Brilliant Violet 785™ (filled histogram) or mouse IgG1, κ Brilliant Violet 785™ isotype control (open histogram).

Applications:

Applications: Flow Cytometry



Human peripheral blood monocytes were stained with HLA-DR FITC and Brilliant Violet 421™ anti-human CD14 (clone 63D3) (left) or Brilliant Violet 421™ mouse IgG1, κ isotype control (right).

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.

Brilliant Violet 785™ excites at 405 nm and emits at 785 nm. The bandpass filter 780/60 nm is recommended for detection, although filter optimization may be required depending on other fluorophores used. Be sure to verify that your cytometer configuration and software setup are appropriate for detecting this channel. Refer to your instrument manual or manufacturer for support. Brilliant Violet 785™ is a trademark of Sirigen Group Ltd.

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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.