

Technical Data Sheet

FITC Mouse Anti-Human CD63

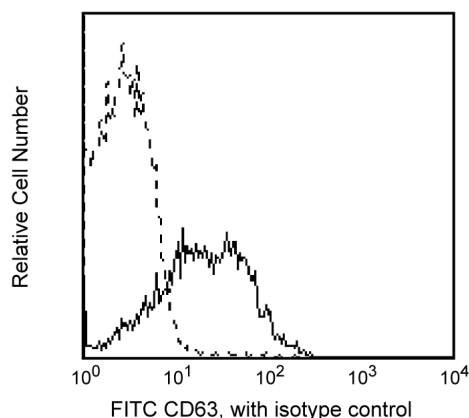
Product Information

Material Number:	550759
Size:	50 tests
Vol. per Test:	20 µl
Clone:	H5C6
Isotype:	Mouse IgG1 κ
Reactivity:	Reactivity: Human QC Testing: Baboon or Cynomolgus or Rhesus
Workshop:	V, P036
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Reacts with a 53 kDa, type III lysosomal glycoprotein, expressed on activated platelets, monocytes and macrophages. This molecule is also referred to in the literature as LIMP, gp55, melanoma-associated antigen ME491, Pltgp40, LAMP-3 and is a member of the tetraspan transmembrane 4 superfamily (TM4SF). It is widely expressed on surface and in the cytoplasm of various hematopoietic (monocytes, macrophages) and non-hematopoietic cells (endothelium, fibroblasts, osteoclasts, smooth muscle).

This antibody is routinely tested by flow cytometric analysis. Other applications were tested at BD Biosciences - Pharmingen during antibody development only or reported in the literature.



Profile of CD63 Ab on peripheral blood activated platelets of rhesus macaque (macaca mulatta) analyzed by flow cytometry

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated with FITC under optimum conditions, and unreacted FITC was removed.

Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
556649	FITC Mouse IgG1 Kappa Isotype Control	50 tests	MOPC-21

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Product Notices

1. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
2. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
3. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
4. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1 X 10⁶ cells in a 100-μl experimental sample (a test).
5. Please refer to www.bdbiosciences.com/pharming/en/protocols for technical protocols.

References

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- Azorsa DO, Hyman JA, Hildreth JE. CD63/Pltgp40: a platelet activation antigen identical to the stage-specific, melanoma-associated antigen ME491. *Blood*. 1991; 78(2):280-284.(Biology)
- Engel P, Wagner N, Zhou L, et al. CD86 Workshop Report. In: Schlossman SF, Boumsell L, Gilks W, et al, ed. *Leukocyte Typing V: White Cell Differentiation Antigens*. New York: Oxford University Press; 1995.(Biology)
- Hildreth JE, Derr D, Azorsa DO. Characterization of a novel self-associating Mr 40,000 platelet glycoprotein. *Blood*. 1991; 77(1):121-132.(Biology)