

Technical Data Sheet

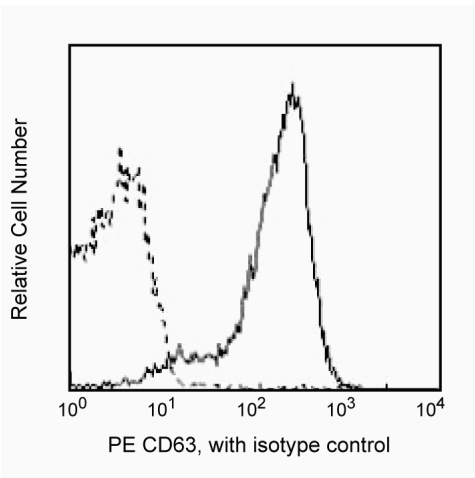
PE Mouse Anti-Human CD63

Product Information

Material Number:	556020
Size:	100 tests
Vol. per Test:	20 µl
Clone:	H5C6
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Workshop:	V, P036
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

The H5C6 monoclonal antibody reacts with CD63. CD63 is 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).



Profile of peripheral activated platelets analyzed on a BD FACScan™ (BDIS, San Jose, CA)

Preparation and Storage

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

The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were 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
555749	PE Mouse IgG1, κ Isotype Control	100 tests	MOPC-21

Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1×10^6 cells in a 100-µl experimental sample (a test).
2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/colors.
5. 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.
6. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

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References

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- Hildreth JE, Derr D, Azorsa DO. Characterization of a novel self-associating Mr 40,000 platelet glycoprotein. *Blood*. 1991; 77(1):121-132. (Biology)
- Kishimoto T, von dem Borne AEG, Goyert SM, et al., ed. *Leucocyte Typing VI: White Cell Differentiation Antigens*. London: Garland Publishing; 1997. (Biology)
- Schlossman SF, Boumsell L, Gilks W, et al, ed. *Leukocyte Typing V: White Cell Differentiation Antigens*. New York: Oxford University Press; 1995. (Clone-specific: Flow cytometry)