

Technical Data Sheet

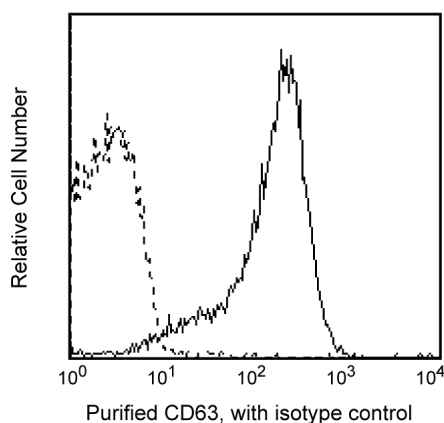
Purified Mouse Anti-Human CD63**Product Information**

Material Number:	556019
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	H5C6
Isotype:	Mouse IgG1 κ
Reactivity:	QC Testing: Human
Workshop:	V, P036
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ 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.



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

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Store undiluted at 4° C.

Application Notes**Application**

Flow cytometry	Routinely Tested
Immunohistochemistry-frozen	Tested During Development
Immunohistochemistry-formalin (antigen retrieval required)	Tested During Development

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Suggested Companion Products

Catalog Number	Name	Size	Clone
555746	Purified Mouse IgG1 Kappa Isotype Control	0.1 mg	MOPC-21
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Gt/Ms

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmlingen/protocols for technical protocols.
3. 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.

References

Kishimoto T, von dem Borne AEG, Goyert SM, et al., ed. *Leukocyte 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)

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)

Hildreth JE, Derr D, Azorsa DO. Characterization of a novel self-associating Mr 40,000 platelet glycoprotein. *Blood*. 1991; 77(1):121-132.(Biology)