

Technical Data Sheet

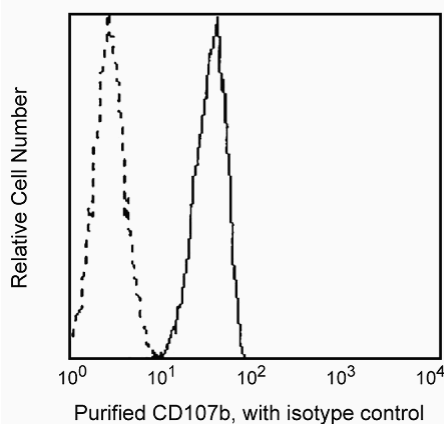
Purified Mouse Anti-Human CD107b

Product Information

Material Number:	555803
Alternate Name:	LAMP-2
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	H4B4
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Workshop:	V P007
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

Reacts with the heavily glycosylated 120 kD lysosomal-associated protein, LAMP-2. LAMP-2 is a widely expressed intracellular antigen. It is also expressed on the surface of activated platelets, PHA-activated lymphocytes and some tumor cell lines, including U937 and KG1a. LAMP-2 has been shown to be a ligand for E-selectin-mediated cell adhesion. LAMP-1 (CD107a) and LAMP-2 are carriers for poly-N-acetyllactosamines, and are able to display sialyl Le^x termini.



Profile of intracellular staining of Jurkat cells fixed and permeabilized with Cytotfix/Cytoperm (Cat. No. 554714) and 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

Intracellular staining (flow cytometry)	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
555746	Purified Mouse IgG1, κ Isotype Control	0.1 mg	MOPC-21
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal
554714	BD Cytotfix/Cytoperm Fixation/Permeablization Kit	250 tests	(none)

BD Biosciences

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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharming/en/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

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- Febbraio M, Silverstein RL. Identification and characterization of LAMP-1 as an activation-dependent platelet surface glycoprotein. *J Biol Chem*. 1990; 265(30):18531-18537.(Biology)
- Sawada R, Lowe JB, Fukuda M. E-selectin-dependent adhesion efficiency of colonic carcinoma cells is increased by genetic manipulation of their cell surface lysosomal membrane glycoprotein-1 expression levels. *J Biol Chem*. 1993; 268(17):12675-12681.(Biology)