

Technical Data Sheet

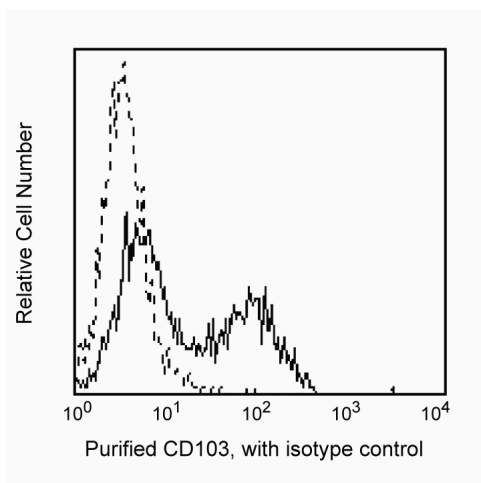
Purified Mouse Anti-Human CD103

Product Information

Material Number:	550258
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	Ber-ACT8
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Workshop:	V A067, BP047, S256
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

Reacts with the human mucosal lymphocyte antigen 1 (HML-1), a type I transmembrane molecule, 175 kDa, also known as integrin αE . It is found on >90% of intestinal intraepithelial lymphocytes (iIEL) associated with integrin $\beta 7$. CD103 is also expressed on lamina propria T lymphocytes in the intestine and on PHA-stimulated peripheral blood lymphocytes. It is rarely expressed on resting peripheral blood lymphocytes. It has been suggested that CD103 may have an accessory function for activation of iIEL. CD103 has been reported as a useful tool in hairy cell leukemia research.



Profile of PHA-stimulated (3 days) peripheral blood mononuclear cells (PBMC) analyzed by flow cytometry

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
Immunofluorescence	Tested During Development

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

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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

- Schlossman SF, Boumsell L, Gilks W, et al, ed. *Leukocyte Typing V: White Cell Differentiation Antigens*. New York: Oxford University Press; 1995.
(Clone-specific)
- Kishimoto T, von dem Borne AEG, Goyert SM, et al., ed. *Leucocyte Typing VI: White Cell Differentiation Antigens*. London: Garland Publishing; 1997.
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- DiGiuseppe JA, Borowitz MJ. Clinical utility of flow cytometry in the chronic lymphoid leukemias. *Semin Immunol*. 1998; 25(1):6-10.(Biology)
- Matutes E, Meeus P, McLennan K, Catovsky D. The significance of minimal residual disease in hairy cell leukaemia treated with deoxycoformycin: a long-term follow-up study. *Br J Haematol*. 1997; 98(2):375-383.(Biology)