

Datasheet: MCA1416SBV610

Description:	MOUSE ANTI HUMAN CD103:StarBright Violet 610
Specificity:	CD103
Format:	StarBright Violet 610
Product Type:	Monoclonal Antibody
Clone:	LF61
Isotype:	IgG1
Quantity:	100 TESTS/0.5ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human		
Product Form	Purified IgG conjugated to StarBright Violet 610 - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	StarBright Violet 610	403	607
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide (NaN ₃)		
Stabilisers	1% Bovine Serum Albumin		
	0.1% Pluronic F68		
	0.1% PEG 3350		
	0.05% Tween 20		

Immunogen Hairy cell leukemia cells.

External Database

Links

UniProt:

[P38570](#) [Related reagents](#)

Entrez Gene:

[3682](#) ITGAE [Related reagents](#)

RRID AB_2943384

Fusion Partners Spleen cells from immunized BALB/c mice were fused with cells of the mouse NS0 myeloma cell line.

Specificity **Mouse anti Human CD103 antibody, clone LF61** recognizes the human CD103 cell surface antigen, a glycoprotein expressed by approximately 1% of peripheral blood lymphocytes, activated T lymphocytes and by hairy cell leukemia cells. The antigen is also expressed by intraepithelial lymphocytes. It has recently been shown to be identical to the alpha E integrin.

Flow Cytometry Use 5µl of the suggested working dilution to label 10⁶ cells in 100µl. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application.

References

1. Falini, B. *et al.* (1990) Selection of a panel of monoclonal antibodies for monitoring residual disease in peripheral blood and bone marrow of interferon-treated hairy cell leukaemia patients. [Br J Haematol. 76 \(4\): 460-8.](#)
 2. Ling, K.L. *et al.* (2007) Modulation of CD103 expression on human colon carcinoma-specific CTL. [J Immunol. 178: 2908-15.](#)
 3. Hadley, G.A. *et al.* (2001) CD103+ CTL accumulate within the graft epithelium during clinical renal allograft rejection. [Transplantation. 72 \(9\): 1548-55.](#)
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Storage Store at +4°C. DO NOT FREEZE.
This product should be stored undiluted.

Guarantee 12 months from date of despatch

Acknowledgements This product is covered by U.S. Patent No. 10,150,841 and related U.S. and foreign counterparts

Health And Safety Information Material Safety Datasheet documentation #20471 available at: <https://www.bio-rad-antibodies.com/SDS/MCA1416SBV610>
20471

Regulatory For research purposes only

Related Products

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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