

Datasheet: MCA2083T

Description:	MOUSE ANTI HUMAN MELAN-A (A103)
Specificity:	MELAN-A
Other names:	MART 1
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	A103
Isotype:	IgG1
Quantity:	0.1 ml

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			■	
Immunohistology - Frozen	■			
Immunohistology - Paraffin (1)	■			

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species	Human
Species Cross Reactivity	<p>Reacts with: Bovine</p> <p>N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
Product Form	Tissue Culture Supernatant - liquid
Preservative Stabilisers	0.09% Sodium Azide

Immunogen	Recombinant protein corresponding to human melan-A.
External Database Links	<p>UniProt: Q16655 Related reagents</p> <p>Entrez Gene: 2315 MLANA Related reagents</p>
Synonyms	MART1
RRID	AB_2142672
Specificity	<p>Mouse anti Human MELAN-A (A103) antibody, clone A103 recognizes the recently identified Melan-A/MART-1 which is a melanocyte differentiation marker. Clone A103 has been reported to be of value in the differential diagnosis of melanocytic tumors and for the recognition of perivascular epithelioid tumors.</p> <p>Mouse anti Human MELAN-A (A103) antibody, clone A103 has been reported to be of diagnostic importance for differentiating adrenal cortical tumors from other tumors.</p>
Histology Positive Control Tissue	Skin melanocytes
References	<ol style="list-style-type: none"> 1. Jungbluth, A.A. <i>et al.</i> (1998) A103: An anti-melan-a monoclonal antibody for the detection of malignant melanoma in paraffin-embedded tissues. Am J Surg Pathol. 22 (5): 595-602. 2. Berset, M. <i>et al.</i> (2001) Expression of Melan-A/MART-1 antigen as a prognostic factor in primary cutaneous melanoma. Int J Cancer. 95 (1): 73-7. 3. Clarkson, K.S. <i>et al.</i> (2001) The usefulness of tyrosinase in the immunohistochemical assessment of melanocytic lesions: a comparison of the novel T311 antibody (anti-tyrosinase) with S-100, HMB45, and A103 (anti-melan-A). J Clin Pathol. 54 (3): 196-200. 4. Grossi, A.B. <i>et al.</i> (2013) Histologic and immunohistochemical classification of 41 bovine adrenal gland neoplasms. Vet Pathol. 50 (3): 534-42.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation #10055 available at: 10055: https://www.bio-rad-antibodies.com/uploads/MSDS/10055.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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