

Melanoma Marker Monoclonal Mouse Antibody (DT101+ BC199 + T311 + HMB45)

Product Description

This antibody cocktail recognizes three melanoma-specific proteins, which include MART-1, Tyrosinase and gp100. MART-1 is a newly identified melanocyte differentiation antigen recognized by autologous cytotoxic T lymphocytes. Tyrosinase is one of the targets for cytotoxic T-cell recognition in melanoma patients. Function of gp100 is not known but it is reported to be a useful marker for melanocytes and melanomas. This cocktail of three markers is designed for extremely sensitive labeling of formalin-fixed, paraffin-embedded melanomas and other tumors showing melanocytic differentiation. Catalog number key for antibody number 0704, Anti-Melanoma cells (DT101 BC199 T311 HMB45)

Call us: 800-304-5357 Email: techsupport@biotium.com

Product attributes

Antibody neactivity (target) Melanoma cells Antibody type Primary Host species Mouse Clonality Monoclonal Clone DT101+ BC199 + T311 + HMB45 Isotype IgG2a, kappa Molecular weight 20-22 kDa (doublet) (MART-1); 90-100 kDa (gp100); 70-80 kDa (Tyrosinase) Synonyms Melanoma antigen recognized by T-cells 1 (MART-1), MLAN-A; PMEL17 Entrez gene ID 2315; 6490 Immunogen Recombinant hMART-1 protein (DT101 & BC199); Extract of pigmented melanoma metastases from lymph nodes (HMB45); Recombinant tyrosinase protein (T311) Antibody target cellular localization Cytoplasmic Verified antibody applications IHC (FFPE) (verified) Species reactivity Human Antibody application notes Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody, Immunohistochemistry (formalin-fixed): 0,5-1 u. gyml. for 30 minutes at RT, Staining of formalin-fixed): 0,5-1 u. gyml. for 30 minutes at RT, Staining of formalin-fixed tissues is enhanced by bolling tissue sections in 10 mM citrate buffer pHo for 10-20 minutes at RT, Staining of formalin-fixed tissues is enhanced by cooling at RT for 20 minutes, Optimal dilution for a specific application should be determined by user Positive control SK-MEL-13 and	Product attributes				
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Clonality	Antibody reactivity (target)	Melanoma cells			
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Clone DT101+ BC199 + T311 + HMB45	Host species	Mouse			
Isotype IgG2a, kappa	Clonality	Monoclonal			
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Immunogen	Synonyms				
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·	Product origin	bovine serum (Bos taurus), or recombinant BSA produced in			
Antibody research areas Cancer	Tumor expression	Melanoma			
	Antibody research areas	Cancer			

Antibody # prefix	Conjugation	Ex/Em (nm)	Laser line	Detection channel	Dye Features
BNC04	CF®405S	404/431	405	DAPI (microscopy), AF405	CF®405S Features
BNC88	CF®488A	490/515	488	GFP, FITC	CF®488A Features
BNC68	CF®568	562/583	532, 561	RFP, TRITC	CF®568 Features
BNC94	CF®594	593/614	561	Texas Red®	CF®594 Features
BNC40	CF®640R	642/662	633-640	Cy®5	CF®640R Features
BNC47	CF®647	650/665	633-640	Cy®5	CF®647 Features
BNC74	CF®740	742/767	633-685	775/50	CF®740 Features
BNCB	Biotin	N/A	N/A	N/A	
BNUB	Purified	N/A	N/A	N/A	
BNUM	Purified, BSA-free	N/A	N/A	N/A	

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