

MART-1 (A103)

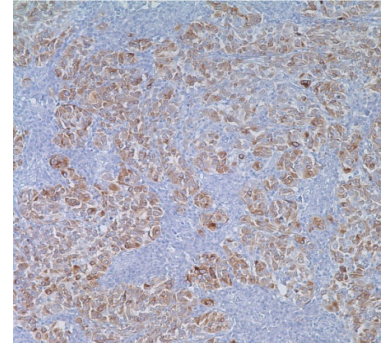
Code: MON-RTU1221

Presentation

Anti-MART-1 is a mouse monoclonal antibody from supernatant diluted in phosphate buffered saline, pH 7.4, with protein base, and preserved with sodium azide.

Applications

MART-1 (also known as Melan A) is a melanocyte differentiation antigen. It is present in melanocytes of normal skin and retina, nevi and in more than 85% of melanomas. This antibody is very useful in establishing the diagnosis of metastatic melanomas.



Reactivity: Paraffin, Frozen
Control: Melanoma, normal skin
Visualization: Cytoplasmic
Stability: Up to 36 months; store at 2-8 °C
Isotype: IgG1
Size: 7 ml, prediluted

Panel Info:

<u>Adrenal tumors</u>										
	Inhibin	Calretinin	MART-1	Synaptophysin	Chromogranin	CD56				
Pheochromocytoma	-	-	-	+	+	+				
Adrenal CA	+	+	+	-/+	-	+				
Adrenal adenoma	+	+	+	-/+	-	+				
<u>Melanotic lesions</u>										
	S-100	sox10	HMB45	MART-1	Tyrosinase	MITF-1	CD63, NKI/C3	Factor Xilla	WT1	NGFR
Adult Melanocytes	+	+	-	+	+	+	+	-		
Junctional nevus	+	+	+	+	+	+	-	-	+/-	
Interdermal Nevus	+	+	-	+	+	+	-	-	+/-	
Primary Melanoma	+	+	+	+	+	+	+	-		-
Metastatic Melanoma	+	+	+	+	+	+	+	-	+	-
Spindle cell melanoma	+	+	+	+	+	+	+	-	+	+
Angiomyolipoma	+	+	+	+	-	+	+	-		
Adrenal Cortical	+		-	+	-	-	-	-		
Intranodal nevus cells	+	+	-	+	+	+	-	-		
Dermatofibroma	-	-	-	-	-	-	-	+		
<u>PEComa</u>										
	HMB-45	Mart-1	CD63	S-100	Tyrosinase	SM-Actin	Calponin	Caldesmon	Desmin	CD68
Angiomyolipoma	+	+	+	-	-	+	+	+	-	+
Lymphangiomyomatosis	+	+	+	-	-	+	+	+	-	-
Extrapulmonary clear cell tumor	+	+	+	+	-	+	-	-	-	-
Primary Cutaneous PEComa	+	+	+	-	-	-	-	-	-	+/-
pulmonary clear cell sugar tumor	+	+	+	+/-	-	-	-	-	-	+/-

Preparation and Pretreatment

1. Cut 3-4 μm section of formalin-fixed paraffin-embedded tissue and place on positively charged slides; dry overnight at 58 °C.
2. Deparaffinize, rehydrate, and epitope retrieve; the preferred method is the use of Heat Induced Epitope Retrieval (HIER) techniques using MON-APP160 in conjunction with a pressure cooker. The preferred method allows for simultaneous deparaffinization, rehydration, and epitope retrieval. Upon completion, rinse with 5 changes of distilled or deionized water.
3. If using HRP detection system, place slides in peroxide block for 10 minutes; rinse. If using AP detection system, omit this step.

References

1. Kageshita T; Kawakami Y et al. J Immunother 1997 Nov;20(6):460-5
2. Fetsch PA; Marincola FM, et al. Cancer 1999 Feb 25;87(1):37-42
3. Bergman R, Azzam H, et al. J Am Acad Dermatol 2000 Mar;42(3):496-500
4. Orsz Z: Histopathology 1999 Jun;34(6):517-25
5. Yaziji H, Gown AM. In J Surg Pathol. 2003 Jan;11(1):11-5
6. Mocellin S et al. J Immunother. 2001 Nov-Dec;24(6):447-58
7. Perez RP et al. Hum Pathol. 2000 Nov;31(11):1381-8
8. Hoang MP et al. J Cutan Pathol. 2001 Sep;28(8):400-6