

PRODUCT INFORMATION

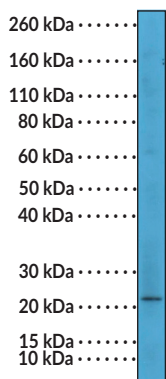
MART1 (N-Term) Rabbit Monoclonal Antibody (Clone RM333)

Item No. 32270

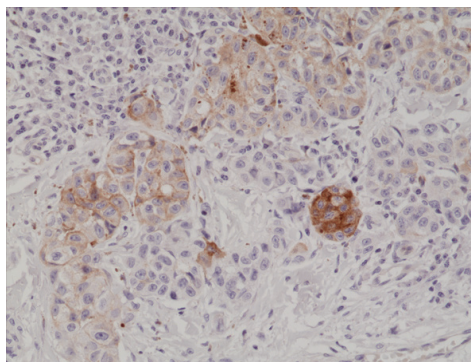
Overview and Properties

Contents:	This vial contains 100 µl of protein A-affinity purified monoclonal antibody.
Synonyms:	Epididymis Secretory Sperm Binding Protein, Melan-A, Melanoma Antigen Recognized by T cells 1, MLANA
Immunogen:	Peptide from the N-terminal region of human MART1
Cross Reactivity:	(+) MART1
Species Reactivity:	(+) Human
Form:	Liquid
Storage:	-20°C (as supplied)
Stability:	≥1 year
Storage Buffer:	PBS with 50% glycerol, 1% BSA, and 0.09% sodium azide
Clone:	RM333
Host:	Rabbit
Isotype:	IgG
Applications:	Immunohistochemistry (IHC) and Western blot (WB); the recommended starting dilution is 1:500-1:1,000 for IHC and WB. Other applications were not tested, therefore optimal working concentration/dilution should be determined empirically.

Images



WB of SK-MEL-2 cell lysate using MART1 (N-Term) Rabbit Monoclonal Antibody (Clone RM333) at a dilution of 1:500.



Immunohistochemical staining of formalin-fixed and paraffin-embedded human melanoma tissue using MART1 (N-Term) Rabbit Monoclonal Antibody (Clone RM333) at a dilution of 1:1,000.

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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Description

MART1 is a type III membrane protein encoded by *MLANA* in humans.^{1,2} It is expressed in melanocytes and localized to melanosomes, the endoplasmic reticulum, and in the *trans*-Golgi network. It is also expressed in retinal pigment epithelium and melanoma cells.³ MART1 antigenic peptides are expressed in an MHC class I-restricted fashion in tumor cells and recognized by cytotoxic T cells at tumor sites in patients with melanoma.^{4,5} Cayman's MART1 (N-Term) Rabbit Monoclonal Antibody (Clone RM333) can be used for immunohistochemistry (IHC) and Western blot (WB) applications.

References

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5. Pittet, M.J., Zippelius, A., Valmori, D., *et al.* Melan-A/MART-1-specific CD8 T cells: From thymus to tumor. *Trends Immunol.* **23**(7), 325-328 (2002).

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