

Product Datasheet

Melan-A/MART-1 Antibody (A103) - BSA Free NBP2-46603

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 4

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NBP2-46603

Melan-A/MART-1 Antibody (A103) - BSA Free

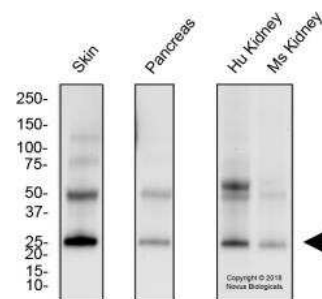
Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	A103
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Mouse Melan-A/MART-1 Antibody (A103) - BSA Free (NBP2-46603) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-Melan-A/MART-1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	2315
Gene Symbol	MLANA
Species	Human, Mouse, Rat
Immunogen	Recombinant human Melan-A/MART-1. [Uniprot# Q16655]

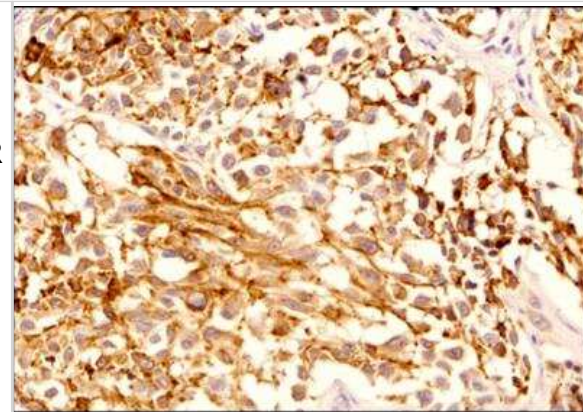
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 2 ug/ml, Flow Cytometry, ELISA, Immunohistochemistry 1:100, Immunocytochemistry/ Immunofluorescence reported in scientific literature (PMID 27565163), Immunohistochemistry-Paraffin 1:100, Immunohistochemistry-Frozen 1:100

Images

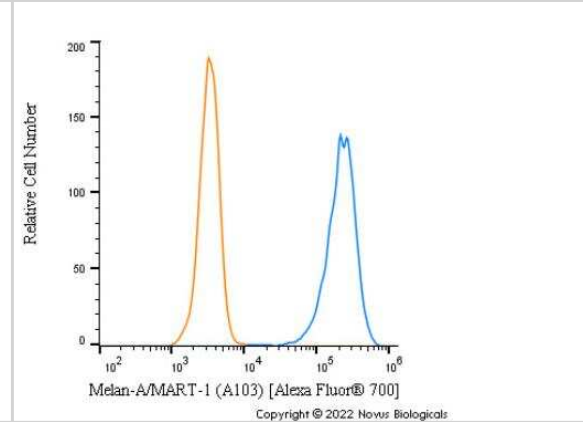
Western Blot: Melan-A/MART-1 Antibody (A103) [NBP2-46603] - Total protein from human skin, pancreas and kidney and mouse kidney was separated on a 4-20% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 2.0 ug/ml anti-Melan-A in 1% non-fat milk in TBST and detected with an anti-mouse HRP secondary antibody using chemiluminescence.



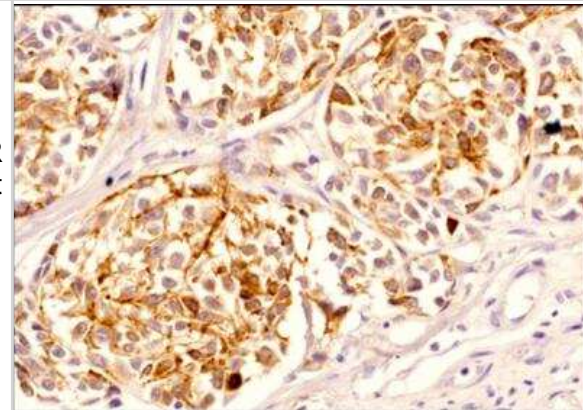
Immunohistochemistry-Paraffin: Melan-A/MART-1 Antibody (A103) [NBP2-46603] - Analysis of FFPE tissue section of Human Skin Cancer/Melanoma using Melan-A/MART-1 antibody (A103) at 1:100 dilution. The antibody depicted very specific staining which was cytoplasmic with strong punctate appearance in peri-nuclear regions (ER and Golgi) of most of the cancerous cells and membranous-cytoplasmic pattern in some necrotic areas.



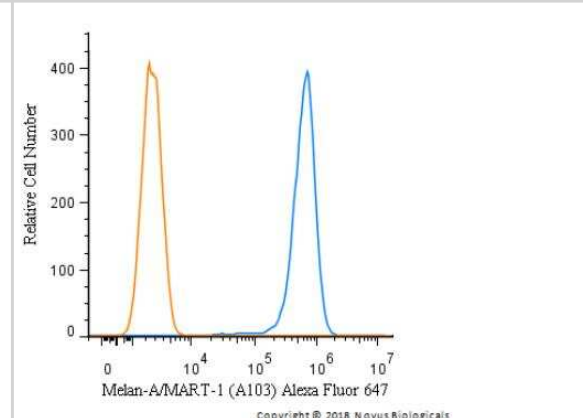
Flow Cytometry: Melan-A/MART-1 Antibody (A103) - BSA Free [NBP2-46603] - An intracellular stain was performed on SK-MEL-28 cells with Melan-A/MART-1 Antibody (A103) NBP2-46603AF700 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 700.



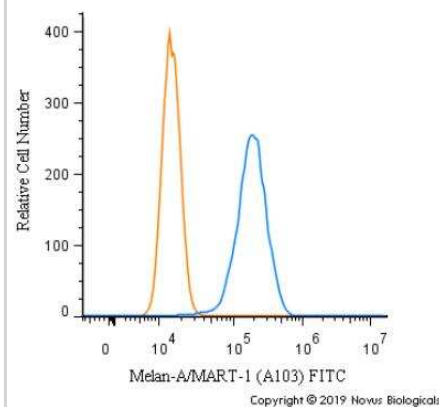
Immunohistochemistry-Paraffin: Melan-A/MART-1 Antibody (A103) [NBP2-46603] - Analysis of FFPE tissue section of Human Skin Cancer/Melanoma using Melan-A/MART-1 antibody (A103) at 1:100 dilution. The antibody depicted very specific staining which was cytoplasmic with strong punctate appearance in peri-nuclear regions (ER and Golgi) of most of the cancerous cells. The tumor stroma cells did not display any Melan-A/MART-1 expression signal.



Flow Cytometry: Melan-A/MART-1 Antibody (A103) [NBP2-46603] - An intracellular stain was performed on SK-MEL-28 cells with Melan-A/MART-1 [A103] Antibody NBP2-46603AF647 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 647.



Flow Cytometry: Melan-A/MART-1 Antibody (A103) [NBP2-46603] - An intracellular stain was performed on SK-MEL-28 cells with Melan-A/MART-1 Antibody [A103] NBP2-46603F (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to FITC.



Publications

Baranda J, Mohyuddin G, Bur A et al. A druggable copper-signalling pathway that drives inflammation Translational Medicine Communications 2023-02-27 (IHC-P, Human)

Details:

Citation using the version of this antibody.

Li S, Zenkel M, Kruse FE et al. Identification, Isolation, and Characterization of Melanocyte Precursor Cells in the Human Limbal Stroma International journal of molecular sciences 2022-03-29 [PMID: 35409129] (FLOW, Human)

Wang Z, Li J, Gao Y et al. Transglutaminase-2 of pancreatic cancer cells assembles a CXCL12-keratin 19-coat that mediates the resistance to immunotherapy bioRxiv

Joshi P, Kooshki M, Aldrich W et al. Expression of natural killer cell regulatory microRNA by uveal melanoma cancer stem cells. Clin. Exp. Metastasis. 2016-08-26 [PMID: 27565163] (ICC/IF)



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Products Related to NBP2-46603

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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