

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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Updated 10/23/2024 v.20.1

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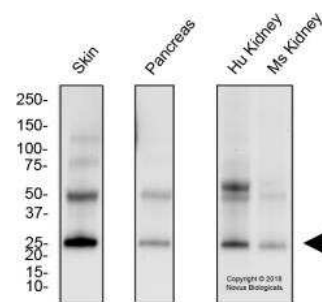
NBP2-46603

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

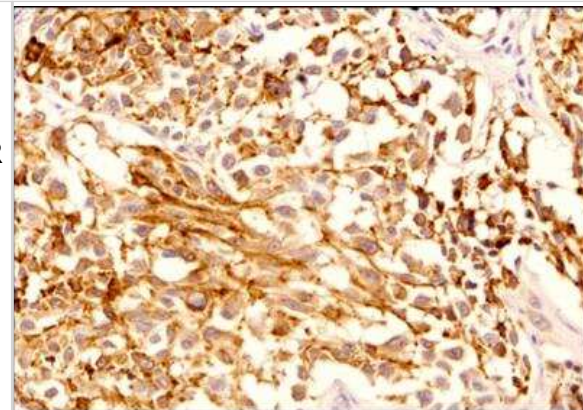
| Product Information | |
|-----------------------------|--|
| Unit Size | 0.1 ml |
| Concentration | 1.0 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | A103 |
| Preservative | 0.05% Sodium Azide |
| Isotype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

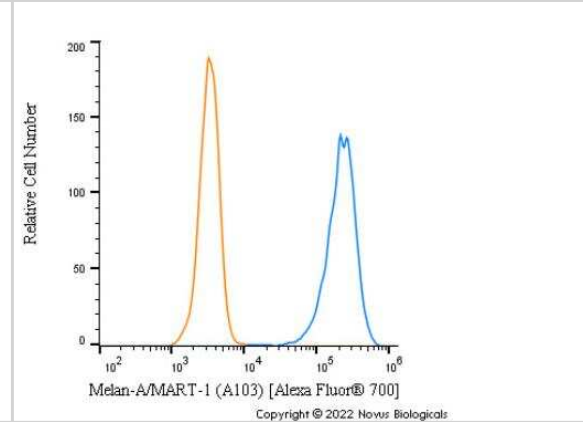
Western Blot: Melan-A/MART-1 Antibody (A103) [NBP2-46603] - Total protein from human skin, pancreas and kidney and mouse kidney was separated on a 4-20% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 2.0 ug/ml anti-Melan-A in 1% non-fat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



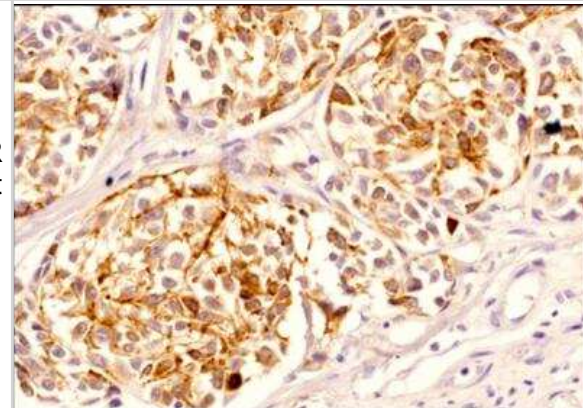
Immunohistochemistry-Paraffin: Melan-A/MART-1 Antibody (A103) [NBP2-46603] - Analysis of FFPE tissue section of Human Skin Cancer/Melanoma using Melan-A/MART-1 antibody (A103) at 1:100 dilution. The antibody depicted very specific staining which was cytoplasmic with strong punctate appearance in peri-nuclear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



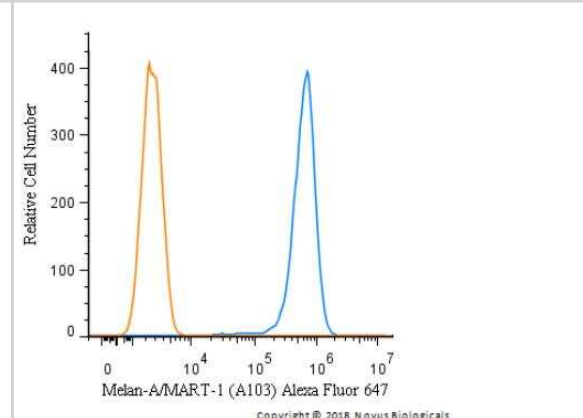
Flow Cytometry: Melan-A/MART-1 Antibody (A103) - BSA Free [NBP2-46603] - An intracellular stain was performed on SK-MEL-28 cells with Melan-A/MART-1 Antibody (A103) NBP2-46603AF700 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells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



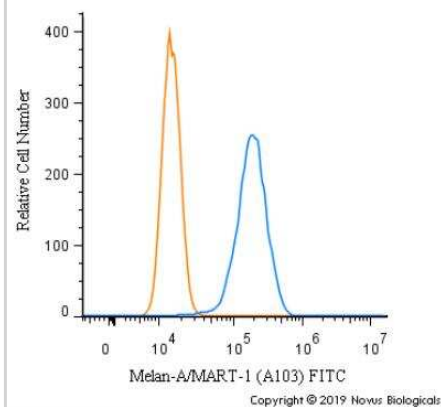
Immunohistochemistry-Paraffin: Melan-A/MART-1 Antibody (A103) [NBP2-46603] - Analysis of FFPE tissue section of Human Skin Cancer/Melanoma using Melan-A/MART-1 antibody (A103) at 1:100 dilution. The antibody depicted very specific staining which was cytoplasmic with strong punctate appearance in peri-nuclear 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

| | |
|------------------|---|
| HAF007 | Goat anti-Mouse IgG Secondary Antibody [HRP] |
| NB720-B | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) |
| NBP2-46603AF647 | Melan-A/MART-1 Antibody (A103) [Alexa Fluor® 647] |

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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