# Anti-Melan A, mouse monoclonal (BS52)

BSH-2003-100 (0.1 ml), BSH-2003-1 (1 ml)

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| **Clonality:** | Mouse monoclonal antibody |
| **Clone:** | BS52 |
| **Application:** | IHC-P (1:100 – 1:400) |
| **Species Reactivity:** | Human |
| **Control tissues:** | Skin, melanoma, nevus |
| **Buffer:** | TRIS with 0.03% sodium azide, pH 7.2 |
| **Storage:** | Store at 4°C |

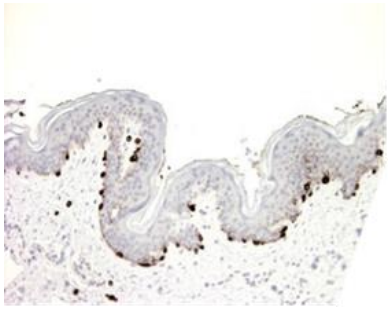
## Description

Melan-A (MART-1) is a transmembrane protein which is recognized by autologous cytotoxic T lymphocytes. Melan a is expressed in skin melanocytes and melanocyte lineages. This antibody is useful for the identification of melanomas and it should be included into standard melanoma panel for melanoma diagnostic. This antibody does not cross react with cells of adrenal cortex and steroid producing tumors.

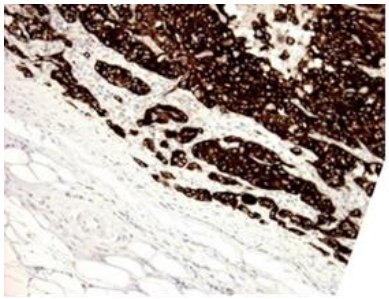
## Protocol

1. Deparaffinize and rehydrate tissue section
2. Wash: aqua dest, 2×5 min
3. Pre-treatment: PT-module HIER pH 9.0 (20min at 98°C)
4. $H_2O_2$ (concentration 3%), 10 min
5. Wash: PBS or TBS buffer, 2×5 min
6. Primary antibody diluted as recommended, 30 min
7. Wash: PBS or TBS buffer, 2×5 min
8. One step HRP-polymer detection, 30 min
9. Wash: PBS or TBS buffer, 2×5 min
10. DAB Substrate, 8 min
11. Wash: aqua dest, 2×2 min
12. Counterstain, dehydrate and coverslip

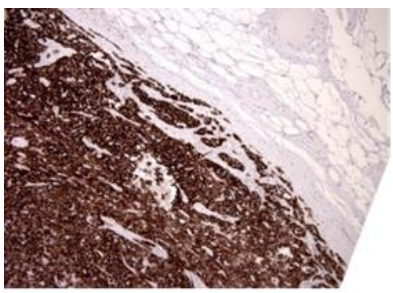
Dilution of concentrated antibody depends on the pre-treatment method and detection system used. Above protocol used in Optibodies evaluation and is meant as a reference. Final working dilution and protocol applied needs to be determined by the user always.



Normal skin section has been stained using Melan A optibody (Clone: BS52) with 1:250 dilution. Melanocytes have strong cytoplasmic label.



Melanoma section has been stained using Melan A optibody (Clone: BS52) with 1:250 dilution. Melanoma cells stained with strong staining intensity without background staining in normal cells.



Melanoma section has been stained using Melan A optibody (Clone: BS52) with 1:250 dilution. Melanoma cells stained with strong staining intensity without background staining in normal cells.