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36-11033: Monoclonal Antibody to Melanoma Marker (MART-1 + gp100 + Tyrosinase)(M2-7C10 + M2-9E3 + HMB45 + T311)

Clonality :	Monoclonal
Clone Name :	M2-7C10 + M2-9E3 + HMB45 + T311
Application :	WB,IHC
Reactivity :	Human
Gene :	MLANA
Gene ID :	2315
Uniprot ID :	Q16655
Format :	Purified
Alternative Name :	MLANA,MART1
Isotype :	Mouse IgG2b, lambda + Mouse IgG2a, kappa + Mouse IgG1, kappa
Immunogen Information :	Recombinant hMART-1 protein (M2-7C10; M2-9E3); Recombinant tyrosinase protein (T311); Extract of pigmented melanoma metastases from lymph nodes (HMB45)

Description

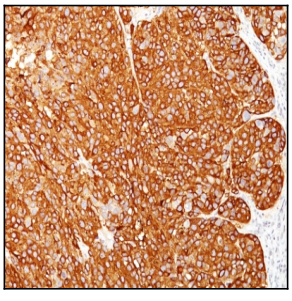
This antibody cocktail recognizes three melanoma-specific proteins, which include MART-1, Tyrosinase and gp100. MART-1 is a newly identified melanocyte differentiation antigen recognized by autologous cytotoxic T lymphocytes. Tyrosinase is one of the targets for cytotoxic T-cell recognition in melanoma patients. Function of gp100 is not known but it is reported to be a useful marker for melanocytes and melanomas. This cocktail of three markers is designed for extremely sensitive labeling of formalin-fixed, paraffin-embedded melanomas and other tumors showing melanocytic differentiation.

Product Info

Amount :	100 µg
Purification :	Affinity Chromatography
Content :	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western Blot (2-4ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded human Melanoma stained with Melanoma Marker Monoclonal Antibody (M2-7C10 + M2-9E3 + T311 + HMB45).