

Datasheet for ABIN6157101

## anti-Melanoma Marker antibody (CF®405S)



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### Overview

Quantity:	100 µL
Target:	Melanoma Marker
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Melanoma Marker antibody is conjugated to CF®405S
Application:	Immunostaining (ISt), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

### Product Details

Purpose:	Mouse Monoclonal anti-Melanoma Marker (HMB45 + M2-7C10 + M2-9E3 + T311), CF405S Conjugate
Immunogen:	Recombinant hMART-1 protein (M2-7C10, M2-9E3), Recombinant tyrosinase protein (T311), Extract of pigmented melanoma metastases from lymph nodes (HMB45)
Clone:	HMB45 M2-7C10 M2-9E3 T311
Isotype:	IgG1, IgG2a, IgG2b kappa
Characteristics:	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

## Product Details

and other tumors showing melanocytic differentiation. Primary antibodies are available purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

## Target Details

Target:	Melanoma Marker
Abstract:	<a href="#">Melanoma Marker Products</a>
Background:	Melanoma antigen recognized by T-cells 1 (MART-1), MLAN-A, TYR, PMEL17
Molecular Weight:	20-22 kDa (doublet) (MART), 70-80 kDa (Tyrosinase), 90-100 kDa (gp100)

## Application Details

Application Notes:	Immunohistology (Formalin-fixed) 0.5-1.0 µg/mL <ul style="list-style-type: none"><li>• Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes</li><li>• Optimal dilution for a specific application should be determined by user</li></ul>
Comment:	SK-MEL-13 and SK-MEL-19 Melanoma cell lines, Melanomas
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	100 µg/mL
Buffer:	PBS/0.1 % BSA/0.05 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Protect from light