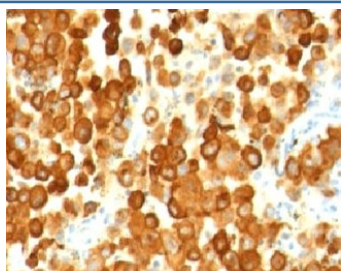


## PMEL17 Antibody / Melanoma gp100 [clone PMEL/783] (V2856)

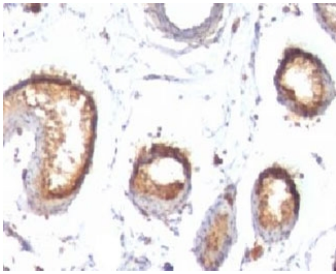
Catalog No.	Formulation	Size
V2856-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2856-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2856SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2856IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

[Bulk quote request](#)

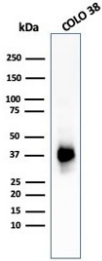
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	PMEL/783
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P40967
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT (1) (2)
<b>Limitations</b>	This PMEL17 antibody is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human melanoma stained with PMEL17 antibody (PMEL/783).



IHC: Formalin-fixed, paraffin-embedded human testis stained with PMEL17 antibody (PMEL/783).



Western blot testing of human COLO-38 cell lysate with PMEL17 antibody (clone PMEL/783).

## Description

Cytotoxic T lymphocytes (CTL's) recognize melanoma-associated antigens, which belong to three main groups. These groups include tumor-associated testis-specific antigens, melanocyte differentiation antigens and mutated or aberrantly expressed antigens, which are routinely used as markers to identify melanomas based on their binding to specific monoclonal antibodies. gp100, also designated ME20-M, ME20-S and PMEL 17, is classified as a melanocyte differentiation antigen and is expressed at low levels in normal cell lines and tissues, but is upregulated in melanocytes. gp100 is a highly glycosylated protein. It is also the product of proteolytic cleavage, which results in a secreted protein.

The gp100 molecule is a 100kDa glycosylated protein that is cleaved into a small (26kDa) carboxy-terminal fragment and a larger amino-terminal section (60-64 kDa), which is subsequently cleaved to generate 26kDa and 34-38kDa fragments.

## Application Notes

Optimal dilution of the PMEL17 antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Recombinant human protein was used as the immunogen for the PMEL17 antibody.

## Storage

Store the PMEL17 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

