

## ARG10577 anti-Melanoma gp100 antibody [P14-V]

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Monoclonal antibody [P14-V] recognizes Melanoma gp100
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Rabbit
Clonality	Monoclonal
Clone	P14-V
Isotype	IgG
Target Name	Melanoma gp100
Antigen Species	Human
Immunogen	Synthetic peptide around the C-terminus of Human Melanoma gp100.
Conjugation	Un-conjugated
Alternate Names	Premelanosome protein; SILV; ME20; Melanocyte protein Pmel 17; ME20-M; Secreted melanoma-associated ME20 antigen; 95 kDa melanocyte-specific secreted glycoprotein; Silver locus protein homolog; ME20S; D12S53E; SIL; P1; Melanocyte protein PMEL; PMEL17; ME20-S; Melanoma-associated ME20 antigen; gp100; ME20M; P100; SI; P26; Melanocytes lineage-specific antigen GP100

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:100 - 1:200
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Calculated Mw	70 kDa	

### Properties

Form	Liquid
Buffer	20 mM Tris-HCl (pH 8.0), 0.05% Sodium azide and 20 mg/ml BSA
Preservative	0.05% Sodium azide
Stabilizer	20 mg/ml BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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### Database links

[GeneID: 6490 Human](#)

[Swiss-port # P40967 Human](#)

### Gene Symbol

PMEL

### Gene Full Name

premelanosome protein

### Background

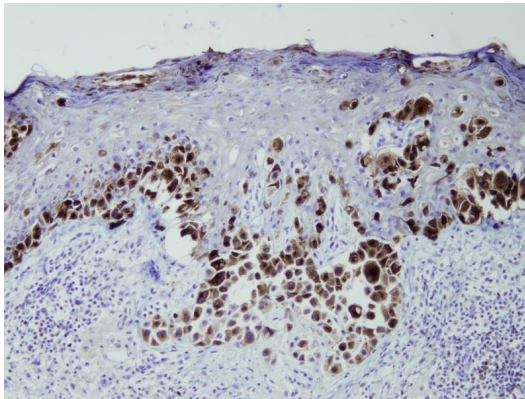
This gene encodes a melanocyte-specific type I transmembrane glycoprotein. The encoded protein is enriched in melanosomes, which are the melanin-producing organelles in melanocytes, and plays an essential role in the structural organization of premelanosomes. This protein is involved in generating internal matrix fibers that define the transition from Stage I to Stage II melanosomes. This protein undergoes a complex pattern of posttranslational processing and modification that is essential to the proper functioning of the protein. A secreted form of this protein that is released by proteolytic ectodomain shedding may be used as a melanoma-specific serum marker. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2011]

### Function

Plays a central role in the biogenesis of melanosomes. Involved in the maturation of melanosomes from stage I to II. The transition from stage I melanosomes to stage II melanosomes involves an elongation of the vesicle, and the appearance within of distinct fibrillar structures. Release of the soluble form, ME20-S, could protect tumor cells from antibody mediated immunity. [UniProt]

## Images

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ARG10577 anti-Melanoma gp100 antibody [P14-V] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human cutaneous malignant melanoma (4 μm section) stained with ARG10577 anti-Melanoma gp100 antibody [P14-V].