

**Melanoma gp100 (PT0123R) rabbit mAb**

<b>Catalog No :</b>	YM7199
<b>Reactivity :</b>	Human;Mouse;
<b>Applications :</b>	IHC;WB; ELISA
<b>Target :</b>	PMEL
<b>Gene Name :</b>	PMEL
<b>Protein Name :</b>	95 kDa melanocyte specific secreted glycoprotein;95 kDa melanocyte-specific secreted glycoprotein;D12S53E;gp100;M-beta;ME20;ME20 M/ME20 S;ME20-M;ME20-S;ME20M;ME20M/ME20S;ME20S;Melanocyte lineage speci
<b>Human Swiss Prot No :</b>	P40967
<b>Mouse Swiss Prot No :</b>	Q60696
<b>Immunogen :</b>	Synthesized peptide derived from human PMEL AA range:400-500
<b>Specificity :</b>	This antibody detects endogenous levels of PMEL
<b>Formulation :</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
<b>Source :</b>	Monoclonal, Rabbit IgG1, Kappa
<b>Dilution :</b>	IHC 1:100-500, WB 1:500-1000, ELISA 1:5000-20000
<b>Purification :</b>	Recombinant Expression and Affinity purified
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	73kD
<b>Background :</b>	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],

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**Function :**

function:Could be a melanogenic enzyme. Could represent an oncofetal self-antigen that is normally expressed at low levels in quiescent adult melanocytes but overexpressed by proliferating neonatal melanocytes and during tumor growth. Release of the soluble form, ME20-S, could protect tumor cells from antibody mediated immunity.,similarity:Belongs to the Pmel-17/NMB family.,similarity:Contains 1 PKD domain.,subcellular location:Identified by mass spectrometry in melanosome fractions from stage I to stage IV.,subcellular location:Probably product of proteolytic cleavage.,tissue specificity:Preferentially expressed in melanomas. Some expression was found in dysplastic nevi. Not found in normal tissues nor in carcinomas.,

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**Subcellular Location :**

Cytoplasmic

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**Expression :**

Skin/ Melanoma

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