

Melanoma gp100 (PT0123R) rabbit mAb

Catalog No :	YM7199
Reactivity :	Human; Mouse;
Applications :	IHC;WB; ELISA
Target :	PMEL
Gene Name :	PMEL
Protein Name :	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
Human Swiss Prot No :	P40967
Mouse Swiss Prot No :	Q60696
Immunogen :	Synthesized peptide derived from human PMEL AA range:400-500
Specificity :	This antibody detects endogenous levels of PMEL
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal, Rabbit IgG1, Kappa
Dilution :	IHC 1:100-500, WB 1:500-1000, ELISA 1:5000-20000
Purification :	Recombinant Expression and Affinity purified
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	73kD
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 :

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.,

Subcellular Location :

Cytoplasmic

Expression :

Skin/ Melanoma

Products Images