

Human Melanocyte Protein PMEL (SILV) ELISA Kit | SILV elisa kit

Human Melanocyte Protein PMEL (SILV) ELISA Kit

CATALOG #
AAA330868

REACTIVITY
Human

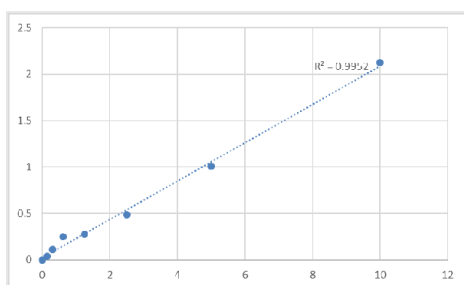
PRODUCT SYNONYMS

Melanocyte Protein PMEL (SILV); Human Melanocyte Protein PMEL (SILV) ELISA Kit; D12S53E; ME20; PMEL; PMEL17; SI; SIL; gp100; Melanocyte protein mel 17; Pmel 17; Silver; mouse; homolog of; melanosomal matrix protein17; silver (mouse homolog)-like; silver homolog; SILV elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Melanocyte protein PMEL (SILV) ELISA Kit has high sensitivity and excellent specificity for detection of Human SILV. No significant cross-reactivity or interference between Human SILV and analogues was observed.
Sequence Length	661
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Melanocyte protein PMEL (SILV) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SILV elisa kit	Description: This Human Melanocyte protein PMEL (SILV) ELISA Kit employs a two-site sandwich ELISA to quantitate SILV in samples. An antibody specific for SILV has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SILV present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SILV is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SILV bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Melanocyte protein PMEL (SILV) 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. Premelanosome protein is involved in generating internal matrix fibers that define the transition from Stage I to Stage II melanosomes. Premelanosome protein undergoes a complex pattern of posttranslational processing and modification that is essential to the proper functioning of the protein. A secreted form of premelanosome protein that is released by proteolytic ectodomain shedding may be used as a melanoma-specific serum marker. Alternate splicing results in multiple transcript variants.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	2507099
NCBI GeneID	6490
UniProt Accession #	P40967
NCBI Official Full Name	Melanocyte protein PMEL
NCBI Official Synonym Full Names	premelanosome protein
NCBI Official Symbol	PMEL
NCBI Official Synonym Symbols	P1; SI; SIL; ME20; P100; SILV; ME20M; gp100; ME20-M; PMEL17; D12S53E
NCBI Protein Information	melanocyte protein PMEL
UniProt Protein Name	Melanocyte protein PMEL
UniProt Gene Name	PMEL
UniProt Synonym Gene Names	D12S53E; PMEL17; SILV; ME20M; ME20-S; ME20S
UniProt Entry Name	PMEL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.