

Recombinant Human Melan-A

Cat. No. MLANA-2043H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human full length MART-1 protein was expressed in <i>E.coli</i> .
Species	Human
Source	E.coli
Description	MART-1 or MELAN-A is newly identified melanocyte differentiation antigen recognized by autologous T lymphocytes. Six other melanoma associated antigens recognized by autologous cytotoxic T cells include MAGE-1, Tyrosinase, gp100, gp75, BAGE-1 and GAGE-1. Subcellular fractionation shows that MART-1 is present in melanosomes and endoplasmic reticulum.
Purity	> 90% by SDS-PAGE.
Supplied	250 ng in 50 ml 50 mM Tris-HCl pH 7.0 buffer containing 14 mM b-mercaptoethanol, 1 mM benzamidine, 0.1 mM phenylmethanesulfonyl fluoride, 1 mM EDTA and 0.1% Brij-35 and 10% glycerol.
Application And Suggested Dilutions	•ELISA •Inhibition Assays •Western Blotting.
Characterization	On SDS-PAGE commassie blue stained gel, the purified recombinant protein shows a band at 18kDa.
Presentation	20 µg purified human MART-1 protein at 100 µg/ml in 50 mM Tris-Acetate, pH 7.5, 1 mM

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	EDTA and 20% Glycerol.
Storage & Stability	Store vial at -20 °C to -80 °C. When stored at the recommended temperature, this protein is stable for 12 months.
Full Length	Full L.
GENE INFORMATION	
Gene Name	MLANA melan-A [Homo sapiens]
Synonyms	melan-A; MART1; MART-1; MLANA; melanoma antigen recognized by T-cells 1; antigen LB39-AA; antigen SK29-AA; protein Melan-A; melan-A; Melan-A protein; Antigen SK29-AA; Antigen LB39-AA; OTTHUMP00000021038; OTTHUMP00000021037
Gene ID	2315
mRNA Refseq	NM_005511
Protein Refseq	NP_005502
MIM	605513
UniProt ID	Q16655
Chromosome Location	9p24.1
Function	protein binding