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ESTDAB Cell Profile for ESTDAB-102 (Ma-Mel-28)

Cell Source

Cell Type:	Melanoma	Tissue of Origin:	Unknown
Ethnic Origin:	Unknown	Gender:	Female
Medium Used:	RPMI 1640, 10% FBS	Morphology:	Unknown
Mycoplasma:	-		

Comments:	This cell line has been decontaminated from mycoplasma infection.
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Image of Cell

☒ Cell Image (200x Magnification)

Primary Search Determinants

☒ High Resolution HLA Typing

High Resolution Typing of HLA and Related Genes	(Help on HLA High Resolution Typing)
HLA-A	0201/09/43N, 0301
HLA-B	1801, 4001/4101
HLA-C	0304, 070101/0706
HLA-DRB1	0401, 1302
HLA-DRB3	ND
HLA-DRB4	ND
HLA-DRB5	ND
HLA-DQA1	ND
HLA-DQB1	0604, 0302
HLA-DPA1	ND
HLA-DPB1	0401, 0301

☒ HLA and Related Genes, Surface Expression

FACS Data	(Help on FACS Data)			
Marker	Initial		After 48hrs IFN-Gamma Induced	
	Normalised Score	Intensity	Normalised Score	Intensity
HLA-A	ND	0	ND	0
HLA-A,B,C	ND	0	ND	0
HLA-B	ND	0	ND	0
HLA-Bw4	ND	0	ND	0

HLA-Bw6	ND	0	ND	0
HLA-C	ND	0	ND	0
HLA-DP	ND	0	ND	0
HLA-DQ	ND	0	ND	0
HLA-DR	ND	0	ND	0
HLA-E	ND	0	ND	0
HLA-G	ND	0	ND	0
MICA	ND	0	ND	0
MICA/B	ND	0	ND	0
MICB	ND	0	ND	0
B2m	ND	0	ND	0

☐ **Tumour Associated Antigens**

Tumour Associated Antigens		(Help on Tumour Associated Antigens)	
Marker	Score	Marker	Score
BAGE	ND	MAGE 6	ND
BUC1	ND	Mart 1	ND
GAGE	ND	MMP2	ND
gp100	ND	MTA-1	ND
MAGE 1	ND	MUC-1	ND
MAGE 10	ND	NA17-A	ND
MAGE 12	ND	NY ESO	ND
MAGE 2	ND	SURVIVIN	ND
MAGE 3	ND	T128	ND
MAGE 4	ND	T17	ND
MAGE 6	ND	T21	ND
Mart 1	ND	TACC1D	ND
MMP2	ND	TRAG 3	ND

MTA-1	ND	TRP 1	ND
Chromium Release Assay		(Help on Chromium Release Assay)	
Marker	Specificity	Ratio	Lysis (%)
gp100 (154-162)			
gp100 (209-217)			
Mart1 (27-25)			
Immunohistochemistry		(Help on Immunohistochemistry)	
Marker	Score		
gp100	ND		

☐ Cytokine Secretions

Cytokine Secretion Data		(Help on Cytokine Secretions)	
Marker	Substrate - Plastic	Marker	Substrate - Matrigel
Interferon Gamma		Interferon Gamma	
Interleukin 10		Interleukin 10	
Interleukin 6		Interleukin 6	
Interleukin 8		Interleukin 8	
TGF Beta		TGF Beta	
TNF Alpha		TNF Alpha	

Secondary Search Determinants

☐ Antigen Processing

Western Blot Data	(Help on Western Blot Data)	
Marker	Initial	After 72hrs IFN-Gamma Induced
Heavy Chain	ND	ND
LMP2	ND	ND
LMP7	ND	ND

MECL1	ND	ND
TAP1	ND	ND
TAP2	ND	ND

☐ Apoptosis

FACS Data			(Help on FACS Data)	
Marker	Initial		After 48hrs IFN-Gamma Induced	
	Normalised Score	Intensity	Normalised Score	Intensity
B7H1	ND	0	ND	0
CD95	ND	0	ND	0
CD95L	ND	0	ND	0
PD-1	ND	0	ND	0
TRAIL-R1	ND	0	ND	0
TRAIL-R2	ND	0	ND	0
TRAIL-R3	ND	0	ND	0
TRAIL-R4	ND	0	ND	0
RNA Protection Assay Data			(Help on RNA Protection Assay)	
Marker	Score	Marker	Score	
caspase-8	ND	RIP	ND	
cIAP1	ND	TNFRp55	ND	
cIAP2	ND	TRADD	ND	
DR3 TRAMP APO3	ND	TRAF1	ND	
FADD	ND	TRAF2	ND	
FAF	ND	TRAF3	ND	
FAP	ND	TRAF4	ND	
Fas	ND	TRAIL	ND	
FasL	ND	TRPM2	ND	
NAIP	ND	XIAP	ND	

Western Blot Data		(Help on Western Blot Data)	
Marker	Score	Marker	Score
APAF1	ND	Bcl xL	ND
BAX	ND	Bcl xS	ND
Bcl 2	ND	Bid	ND
Bcl w	ND	FLIP	ND

☐ Cytokine Polymorphisms

Cytokine Polymorphism Data		(Help on Cytokine Polymorphisms)	
Marker	Position	Polymorphism	Polymorphism
Interferon Gamma	-333		
Interferon Gamma	874		
Interleukin 10	-1082		
Interleukin 10	-819		
Interleukin 10	-592		
Interleukin 10	571		
Interleukin 6	-174		
TGF Beta	-988		
TGF Beta	-800		
TGF Beta	-509		
TGF Beta	codon 10		
TGF Beta	codon 25		
TGF Beta	652		
TGF Beta	653		
TGF Beta	713		
TGF Beta	788		
TGF Beta	869		
TGF Beta	915		

TNF Alpha	-1031		
TNF Alpha	-863		
TNF Alpha	-857		
TNF Alpha	-851		
TNF Alpha	-574		
TNF Alpha	-376		
TNF Alpha	-308		
TNF Alpha	-238		
TNF Alpha	488		

☐ DNA Profile

DNA Profile		(Help on DNA Profiles)	
Marker	Score	Marker	Score
Amelogenin	X	D7S820	8
CSF1PO	11, 12	FGA	19, 21
D13S317	11, 12	THO1	7, 9.3
D3S1358	14	TPOX	8
D5S818	11	vWA	14, 16

☐ Extra Cellular Matrix

Cell Adhesion		(Help on Cell Adhesion)	
Marker	Score	Marker	Score
Collagen	ND	Laminin	ND
Fibronectin	ND		
Glycosyltransferases		(Help on Glycosyltransferases)	
Marker	Score	Marker	Score
FUT1	ND	SIAT3	ND
FUT4	ND	SIAT4C	ND

MGAT5		ND					
Lectins			(Help on Lectins)				
Mol. Weight (KDa)	DSA	GNA	LTA	NAA	PHA-L	SBA	SNA
<30	ND	ND	ND	ND	ND		ND
31-40	ND	ND	ND	ND	ND		ND
41-50	ND	ND	ND	ND	ND		ND
51-60	ND	ND	ND	ND	ND		ND
61-70	ND	ND	ND	ND	ND		ND
71-80	ND	ND	ND	ND	ND		ND
81-90	ND	ND	ND	ND	ND		ND
91-100	ND	ND	ND	ND	ND		ND
101-110	ND	ND	ND	ND	ND		ND
111-120	ND	ND	ND	ND	ND		ND
121-130	ND	ND	ND	ND	ND		ND
131-140	ND	ND	ND	ND	ND		ND
141-150	ND	ND	ND	ND	ND		ND
151-160	ND	ND	ND	ND	ND		ND
161-170	ND	ND	ND	ND	ND		ND
171-180	ND	ND	ND	ND	ND		ND
181-190	ND	ND	ND	ND	ND		ND
191-200	ND	ND	ND	ND	ND		ND
>200	ND	ND	ND	ND	ND		ND

☐ Surface Markers

FACS Data		(Help on FACS Data)		
Marker	Initial		After 48hrs IFN-Gamma Induced	
	Normalised Score	Intensity	Normalised Score	Intensity
CD112	ND	0	ND	0

CD11a	ND	0	ND	0
CD11b	+/-	1,6	ND	0
CD155	ND	0	ND	0
CD40	ND	0	ND	0
CD44	ND	0	ND	0
CD48	-	1	ND	0
CD49d	++	12	ND	0
CD54	ND	0	ND	0
CD56	+	2,5	ND	0
CD57	++	17	ND	0
CD58	ND	0	ND	0
CD80	ND	0	ND	0
CD86	ND	0	ND	0
CD95	ND	0	ND	0
CD95L	ND	0	ND	0
ULBP1	ND	0	ND	0
ULBP2	ND	0	ND	0
ULBP3	ND	0	ND	0
gp100	ND	0	ND	0
Immunohistochemistry		(Help on Immunohistochemistry)		
Marker	Score	Marker	Score	
		P-Cadherin	ND	
K-Cadherin	ND	VE-Cadherin	ND	
N-Cadherin	ND			
gp100	ND	Survivin	ND	

☐ (Epi)Genetic Analysis

(Epi)Genetic Analysis	(Help on (Epi)Genetic Analysis)
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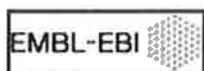
Marker	Mutation		Deletion		Methylation
	Presence	Description	Presence	Description	Presence
APC	ND	ND	N/A	N/A	ND
BRAF	ND	ND	N/A	N/A	N/A
CDK4	ND	ND	N/A	N/A	N/A
CTNNB1	ND	ND	N/A	N/A	N/A
NRAS	ND	ND	N/A	N/A	N/A
PTEN	ND	ND	ND	ND	N/A
RASSF1A	N/A	N/A	N/A	N/A	ND
RB1	ND	ND	ND	ND	N/A
TP53	ND	ND	N/A	N/A	N/A
p16	ND	ND	ND	ND	ND
p27	N/A	N/A	N/A	N/A	ND

IMGT/HLAHuman Leukocyte Antigen Sequences**KIR**Killer-cell Immunoglobulin-like Receptor Sequences**MHC**Non-Human Major Histocompatibility Complex Sequences**HPA**Human Platelet Antigen Nomenclature**ESTDAB**European Searchable Tumour Line Database

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