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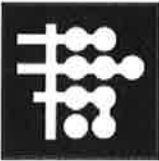
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ESTDAB Cell Profile for ESTDAB-105 (Ma-Mel-8a)

Cell Source

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

Comments:	same DNA-profile as Ma-Mel-8b (ESTDAB-190) apart from Amelogenin
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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	ND
HLA-B	ND
HLA-C	ND
HLA-DRB1	ND
HLA-DRB3	ND
HLA-DRB4	ND
HLA-DRB5	ND
HLA-DQA1	ND
HLA-DQB1	ND
HLA-DPA1	ND
HLA-DPB1	ND

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	+	4.21	+	2.49
MICA/B	+	3.71	+	2.18
MICB	-	1.32	-	1.25
B2m	ND	0	ND	0

Tumour Associated Antigens

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

MTA-1	ND	TRP 1	+
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	0	Interferon Gamma	0
Interleukin 10	0	Interleukin 10	0
Interleukin 6		Interleukin 6	
Interleukin 8	2000	Interleukin 8	2000
TGF Beta	1828.4	TGF Beta	948.6
TNF Alpha	0	TNF Alpha	0

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	-	1,09	+	4,20
CD95	+	2.01	+	2.85
CD95L	-	0.96	-	1.00
PD-1	-	0.96	-	1.06
TRAIL-R1	-	1.01	-	1.03
TRAIL-R2	+	3.07	+	2.51
TRAIL-R3	+/-	1.51	+	3.21
TRAIL-R4	-	1.00	-	1.05
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	C	C
Interferon Gamma	874	T	T
Interleukin 10	-1082	A	A
Interleukin 10	-819	C	T
Interleukin 10	-592	C	A
Interleukin 10	571		
Interleukin 6	-174	C	C
TGF Beta	-988	C	C
TGF Beta	-800	G	G
TGF Beta	-509		
TGF Beta	codon 10	T	T
TGF Beta	codon 25	G	G
TGF Beta	652		
TGF Beta	653		
TGF Beta	713		
TGF Beta	788		
TGF Beta	869	T	T
TGF Beta	915	G	G

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

 DNA Profile

DNA Profile		(Help on DNA Profiles)	
Marker	Score	Marker	Score
Amelogenin	Y	D7S820	10
CSF1PO	11, 12	FGA	21
D13S317	12	THO1	9.3
D3S1358	14, 15	TPOX	8
D5S818	12, 13	vWA	18

 Extra Cellular Matrix

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

MGAT5		+					
Lectins				(Help on Lectins)			
Mol. Weight (KDa)	DSA	GNA	LTA	NAA	PHA-L	SBA	SNA
<30	-	-	-	-	-	ND	-
31-40	-	1	2	-	-	ND	-
41-50	2	2	1	-	-	ND	1
51-60	2	1	1	-	-	ND	-
61-70	1	1	1	1	-	ND	1
71-80	-	-	2	-	-	ND	-
81-90	1	1	1	2	-	ND	1
91-100	1	2	2	-	1	ND	1
101-110	1	1	1	1	1	ND	1
111-120	1	-	-	1	-	ND	-
121-130	-	-	-	-	-	ND	1
131-140	-	-	1	1	-	ND	-
141-150	1	1	1	-	-	ND	1
151-160	-	-	-	1	-	ND	-
161-170	-	-	-	-	-	ND	1
171-180	-	1	1	-	-	ND	-
181-190	1	1	1	1	1	ND	-
191-200	-	1	-	-	-	ND	-
>200	3	1	3	1	-	ND	3

 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	-	0.98	-	1.00
CD44	+++	131.83	+++	156.19
CD48	-	1	ND	0
CD49d	-	1	ND	0
CD54	++	24.30	+++	140.20
CD56	+	4,8	ND	0
CD57	-	1,3	ND	0
CD58	+	9.45	+	8.32
CD80	-	1.02	-	1.09
CD86	-	0.96	-	1.02
CD95	+	2.01	+	2.85
CD95L	-	0.96	-	1.00
ULBP1	-	1.00	-	1.01
ULBP2	-	1.46	-	1.17
ULBP3	-	1.44	-	1.22
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/HLA

Human Leukocyte Antigen Sequences

KIR

Killer-cell Immunoglobulin-like Receptor Sequences

MHC

Non-Human Major Histocompatibility Complex Sequences

HPA

Human Platelet Antigen Nomenclature

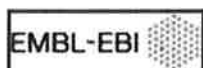
ESTDAB

European Searchable Tumour Line Database

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