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## Immuno Polymorphism Database

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### ESTDAB Cell Profile for ESTDAB-137 (Ma-Mel-7)

#### Cell Source

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

<b>Comments:</b>	None
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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	<a href="#">(Help on HLA High Resolution Typing)</a>
HLA-A	ND
HLA-B	ND
HLA-C	ND
HLA-DRB1	1201
HLA-DRB3	ND
HLA-DRB4	ND
HLA-DRB5	ND
HLA-DQA1	ND
HLA-DQB1	030101
HLA-DPA1	ND
HLA-DPB1	0401

 **HLA and Related Genes, Surface Expression**

FACS Data		<a href="#">(Help on FACS Data)</a>		
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

<b>HLA-Bw6</b>	ND	0	ND	0
<b>HLA-C</b>	ND	0	ND	0
<b>HLA-DP</b>	ND	0	ND	0
<b>HLA-DQ</b>	ND	0	ND	0
<b>HLA-DR</b>	ND	0	ND	0
<b>HLA-E</b>	ND	0	ND	0
<b>HLA-G</b>	ND	0	ND	0
<b>MICA</b>	-	1,0	-	0,99
<b>MICA/B</b>	-	0,99	-	1,01
<b>MICB</b>	-	1,0	-	0,99
<b>B2m</b>	ND	0	ND	0

☐ **Tumour Associated Antigens**

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

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

### Cytokine Secretions

Cytokine Secretion Data		(Help on Cytokine Secretions)	
Marker	Substrate - Plastic	Marker	Substrate - Matrigel
<b>Interferon Gamma</b>	0	<b>Interferon Gamma</b>	0
<b>Interleukin 10</b>	6.79	<b>Interleukin 10</b>	24.53
<b>Interleukin 6</b>		<b>Interleukin 6</b>	
<b>Interleukin 8</b>	1206.17	<b>Interleukin 8</b>	2000
<b>TGF Beta</b>	1135.53	<b>TGF Beta</b>	1009.49
<b>TNF Alpha</b>	0	<b>TNF Alpha</b>	0

### Secondary Search Determinants

#### Antigen Processing

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

<b>MECL1</b>	ND	ND
<b>TAP1</b>	ND	ND
<b>TAP2</b>	ND	ND

 Apoptosis

FACS Data		(Help on FACS Data)		
Marker	Initial		After 48hrs IFN-Gamma Induced	
	Normalised Score	Intensity	Normalised Score	Intensity
<b>B7H1</b>	-	1,16	+	6,04
<b>CD95</b>	+/-	1,94	+	2,74
<b>CD95L</b>	ND	0	ND	0
<b>PD-1</b>	ND	0	ND	0
<b>TRAIL-R1</b>	-	1,07	-	1,04
<b>TRAIL-R2</b>	+	2,01	+	2,23
<b>TRAIL-R3</b>	-	1,0	-	0,97
<b>TRAIL-R4</b>	-	1,04	-	1,02
RNA Protection Assay Data		(Help on RNA Protection Assay)		
Marker	Score	Marker	Score	
<b>caspase-8</b>	ND	<b>RIP</b>	ND	
<b>cIAP1</b>	ND	<b>TNFRp55</b>	ND	
<b>cIAP2</b>	ND	<b>TRADD</b>	ND	
<b>DR3 TRAMP APO3</b>	ND	<b>TRAF1</b>	ND	
<b>FADD</b>	ND	<b>TRAF2</b>	ND	
<b>FAF</b>	ND	<b>TRAF3</b>	ND	
<b>FAP</b>	ND	<b>TRAF4</b>	ND	
<b>Fas</b>	ND	<b>TRAIL</b>	ND	
<b>FasL</b>	ND	<b>TRPM2</b>	ND	
<b>NAIP</b>	ND	<b>XIAP</b>	ND	

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

 Cytokine Polymorphisms

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

<b>TNF Alpha</b>	-1031		
<b>TNF Alpha</b>	-863		
<b>TNF Alpha</b>	-857		
<b>TNF Alpha</b>	-851		
<b>TNF Alpha</b>	-574		
<b>TNF Alpha</b>	-376	G	G
<b>TNF Alpha</b>	-308		
<b>TNF Alpha</b>	-238		
<b>TNF Alpha</b>	488	G	G

 **DNA Profile**

DNA Profile		(Help on DNA Profiles)	
Marker	Score	Marker	Score
<b>Amelogenin</b>	X	<b>D7S820</b>	11, 12
<b>CSF1PO</b>	11, 12	<b>FGA</b>	24, 25
<b>D13S317</b>	10	<b>THO1</b>	6, 10
<b>D3S1358</b>	17, 18	<b>TPOX</b>	8
<b>D5S818</b>	12, 13	<b>vWA</b>	16, 18

 **Extra Cellular Matrix**

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

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

 Surface Markers

FACS Data		(Help on FACS Data)		
Marker	Initial		After 48hrs IFN-Gamma Induced	
	Normalised Score	Intensity	Normalised Score	Intensity
<b>CD112</b>	-	1,09	-	1,24



<b>CD11a</b>	ND	0	ND	0
<b>CD11b</b>	-	1,3	ND	0
<b>CD155</b>	++	10,9	++	10,74
<b>CD40</b>	-	1,0	-	1,03
<b>CD44</b>	++	40,52	++	20,9
<b>CD48</b>	-	1	ND	0
<b>CD49d</b>	+	10	ND	0
<b>CD54</b>	+	6,41	++	28,63
<b>CD56</b>	+	3,6	ND	0
<b>CD57</b>	-	1	ND	0
<b>CD58</b>	++	16,94	++	14,85
<b>CD80</b>	ND	0	ND	0
<b>CD86</b>	ND	0	ND	0
<b>CD95</b>	+/-	1,94	+	2,74
<b>CD95L</b>	ND	0	ND	0
<b>ULBP1</b>	-	1,0	-	1,02
<b>ULBP2</b>	-	1,09	-	1,02
<b>ULBP3</b>	-	1,04	-	1,03
<b>gp100</b>	-	1,41	+/-	1,83
Immunohistochemistry		(Help on Immunohistochemistry)		
Marker	Score	Marker	Score	
		<b>P-Cadherin</b>	ND	
<b>K-Cadherin</b>	ND	<b>VE-Cadherin</b>	ND	
<b>N-Cadherin</b>	ND			
<b>gp100</b>	ND	<b>Survivin</b>	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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