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ESTDAB Cell Profile for ESTDAB-020 (FM-70)

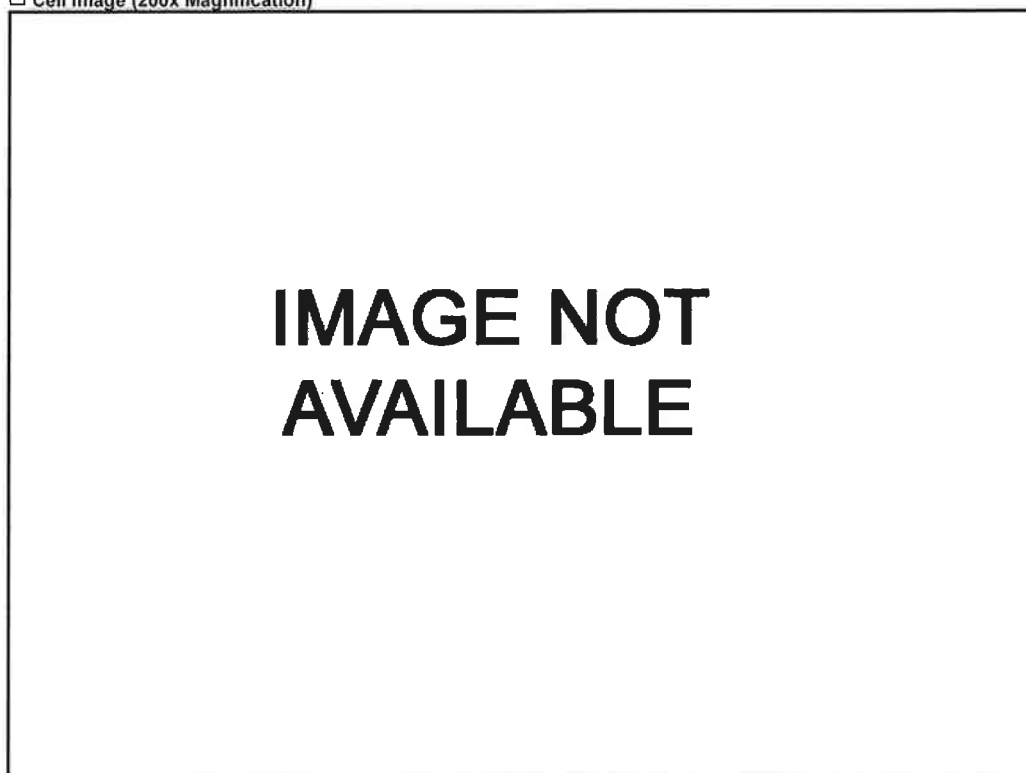
Cell Source

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.		

Related Links
 IMGT/HLA Database - Provides specialist databases for sequences of the human major histocompatibility complex (HLA).
[more](#)

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	0301, 0201/09/43N
HLA-B	ND
HLA-C	ND
HLA-DRB1	1501, 0101
HLA-DRB3	ND
HLA-DRB4	ND
HLA-DRB5	ND
HLA-DQA1	ND
HLA-DQB1	0501, 0602
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	+	2,62	+/-	1,63
MICA/B	+/-	1,83	-	1,35
MICB	-	1,38	-	1,18
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

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

 Immunohistochemistry

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	11.91	Interleukin 10	11.45
Interleukin 6		Interleukin 6	

Interleukin 8	424.63	Interleukin 8	579.08
TGF Beta	212.64	TGF Beta	277.10
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	-	1,12	+	6,76
CD95	+	5,94	+	6,24
CD95L	ND	0	ND	0
PD-1	ND	0	ND	0
TRAIL-R1	-	0,99	-	1,01
TRAIL-R2	+	2,48	+	2,02
TRAIL-R3	-	0,99	-	0,99
TRAIL-R4	+/-	1,84	-	1,2

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	10, 11
CSF1PO	11	FGA	22, 24
D13S317	12, 13	TH01	9.3
D3S1358	14, 18	TPOX	8, 11
D5S818	11	vWA	16

 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	-	-	-	-	-	ND	-
41-50	3	1	3	4	1	ND	2
51-60	1	3	1	3	1	ND	2
61-70	-	1	2	1	-	ND	1

71-80	1	1	1	1	1	ND	1
81-90	1	1	1	1	-	ND	2
91-100	1	-	1	1	1	ND	1
101-110	1	1	1	1	1	ND	1
111-120	1	-	-	1	-	ND	-
121-130	-	1	1	-	1	ND	1
131-140	1	-	-	-	-	ND	-
141-150	1	-	-	1	-	ND	1
151-160	-	-	1	1	-	ND	-
161-170	-	-	-	-	-	ND	-
171-180	-	1	-	-	-	ND	-
181-190	1	-	1	1	1	ND	1
191-200	-	-	-	-	-	ND	-
>200	2	2	1	2	2	ND	2

Surface Markers

FACS Data		(Help on FACS Data)			
Marker	Initial		After 48hrs IFN-Gamma Induced		
	Normalised Score	Intensity	Normalised Score	Intensity	
CD112	-	1,09	-	1,17	
CD11a	ND	0	ND	0	
CD11b	+	2	ND	0	
CD155	+	9,2	+	9,52	
CD40	+	2,83	+	3,57	
CD44	+++	126,21	++	70,74	
CD48	-	1	ND	0	
CD49d	+	3,7	ND	0	
CD54	++	19,97	+++	133,97	
CD56	+	6,29	ND	0	
CD57	-	1,3	ND	0	
CD58	+	7,69	+	6,64	
CD80	ND	0	ND	0	
CD86	ND	0	ND	0	
CD95	+	5,94	+	6,24	
CD95L	ND	0	ND	0	
ULBP1	-	1,01	-	1,17	
ULBP2	+/-	1,64	-	1,29	
ULBP3	+	4,06	+	3,13	
gp100	+	7,91	+	6,04	

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)			
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

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