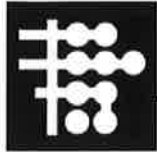


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Immuno Polymorphism Database

[IPD](#) > [ESTDAB](#) > Search

ESTDAB Cell Profile for ESTDAB-174 (Ma-Mel-54a)

Cell Source

| | | | |
|-----------------------|---|--------------------------|---------|
| Cell Type: | Melanoma | Tissue of Origin: | Unknown |
| Ethnic Origin: | Unknown | Gender: | Unknown |
| Medium Used: | RPMI 1640, 10% FBS | Morphology: | Unknown |
| Mycoplasma: | - | | |
| Comments: | same DNA-profile as Ma-Mel-54b (ESTDAB-215) | | |

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 | 310102, 2402/09N/11N |
| HLA-B | 3501/02/03/04/06, 4101 |
| HLA-C | 0304, 040101 |
| HLA-DRB1 | 040101, 0801 |
| HLA-DRB3 | ND |
| HLA-DRB4 | ND |
| HLA-DRB5 | ND |

| | |
|----------|--------------|
| HLA-DQA1 | ND |
| HLA-DQB1 | 030101, 0402 |
| HLA-DPA1 | ND |
| HLA-DPB1 | 0401 |

 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 | + | 4,06 | + | 3,41 |
| MICA/B | + | 4,96 | + | 3,9 |
| MICB | + | 3,62 | + | 2,68 |
| 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) | ND | ND | ND |
| gp100 (209-217) | ND | ND | ND |
| Mart1 (27-25) | ND | ND | ND |
| 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 | 1.94 | Interleukin 10 | 2.85 |
| Interleukin 6 | | Interleukin 6 | |
| Interleukin 8 | 1223.95 | Interleukin 8 | 2000 |
| TGF Beta | 475.56 | TGF Beta | 548.16 |
| 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 | - | 1,11 | - | 1,06 |
| CD95 | +/- | 1,7 | +/- | 1,55 |
| CD95L | ND | 0 | ND | 0 |
| PD-1 | ND | 0 | ND | 0 |
| TRAIL-R1 | - | 1,13 | - | 1,02 |
| TRAIL-R2 | + | 3,05 | + | 2,6 |
| TRAIL-R3 | - | 1,15 | - | 1,04 |
| TRAIL-R4 | - | 1,38 | +/- | 1,71 |

| 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 | | |
| Interleukin 10 | -1082 | G | A |
| Interleukin 10 | -819 | C | C |
| Interleukin 10 | -592 | C | C |
| Interleukin 10 | 571 | | |
| Interleukin 6 | -174 | | |
| TGF Beta | -988 | | |
| TGF Beta | -800 | G | G |
| TGF Beta | -509 | | |
| TGF Beta | codon 10 | T | C |
| TGF Beta | codon 25 | G | G |
| TGF Beta | 652 | C | C |
| TGF Beta | 653 | T | T |
| TGF Beta | 713 | C | C |
| TGF Beta | 788 | C | C |
| TGF Beta | 869 | T | C |
| TGF Beta | 915 | G | G |
| TNF Alpha | -1031 | | |
| TNF Alpha | -863 | | |
| TNF Alpha | -857 | | |
| TNF Alpha | -851 | | |
| 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 | X | D7S820 | 12 |
| CSF1PO | | FGA | 22, 22.2 |
| D13S317 | 12, 13 | TH01 | 6, 9.3 |
| D3S1358 | 14, 16 | TPOX | 8, 11 |
| D5S818 | 12, 13 | vWA | 15, 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 | - | - | 1 | - | - | ND | - |
| 31-40 | - | 1 | - | - | - | ND | - |
| 41-50 | 3 | 2 | 3 | - | - | ND | - |
| 51-60 | 2 | - | 1 | 2 | - | ND | - |
| 61-70 | 1 | - | 2 | 1 | - | ND | 1 |
| 71-80 | - | 1 | 2 | 1 | - | ND | - |
| 81-90 | 1 | 1 | 1 | 1 | 1 | ND | 1 |
| 91-100 | 1 | 1 | 1 | - | - | ND | 1 |
| 101-110 | 1 | - | 2 | 1 | 1 | ND | - |
| 111-120 | 1 | 1 | 1 | - | - | ND | - |
| 121-130 | - | - | - | - | 1 | ND | 1 |

| | | | | | | | |
|---------|---|---|---|---|---|----|---|
| 131-140 | 1 | - | - | - | - | ND | - |
| 141-150 | - | - | 1 | 1 | - | ND | - |
| 151-160 | - | - | - | - | 1 | ND | - |
| 161-170 | 1 | 1 | 1 | 1 | - | ND | - |
| 171-180 | - | - | 1 | 1 | - | ND | - |
| 181-190 | 1 | 1 | - | - | - | ND | - |
| 191-200 | 1 | - | 1 | - | - | ND | - |
| >200 | 4 | 1 | 3 | 3 | 3 | ND | - |

 Surface Markers

| FACS Data | | (Help on FACS Data) | | | |
|-----------|------------------|-------------------------------------|-------------------------------|-----------|--|
| Marker | Initial | | After 48hrs IFN-Gamma Induced | | |
| | Normalised Score | Intensity | Normalised Score | Intensity | |
| CD112 | + | 2,13 | +/- | 1,92 | |
| CD11a | ND | 0 | ND | 0 | |
| CD11b | +/- | 1,8 | ND | 0 | |
| CD155 | + | 6,15 | + | 5,55 | |
| CD40 | - | 1,18 | - | 1,11 | |
| CD44 | ++ | 34,7 | ++ | 37,68 | |
| CD48 | - | 1,3 | ND | 0 | |
| CD49d | - | 1 | ND | 0 | |
| CD54 | + | 6,85 | + | 6,13 | |
| CD56 | + | 5,4 | ND | 0 | |
| CD57 | - | 1 | ND | 0 | |
| CD58 | + | 6,32 | + | 5,65 | |
| CD80 | ND | 0 | ND | 0 | |
| CD86 | ND | 0 | ND | 0 | |
| CD95 | +/- | 1,7 | +/- | 1,55 | |
| CD95L | ND | 0 | ND | 0 | |
| ULBP1 | - | 1,09 | - | 1,0 | |
| ULBP2 | - | 1,24 | - | 1,1 | |
| ULBP3 | - | 1,5 | - | 1,36 | |
| gp100 | +/- | 1,86 | + | 3,16 | |

| 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 |

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

Further Information

For more information about the database, queries (including website) or to subscribe to the IPD mailing lists please contact IPD Support.

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