

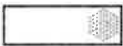
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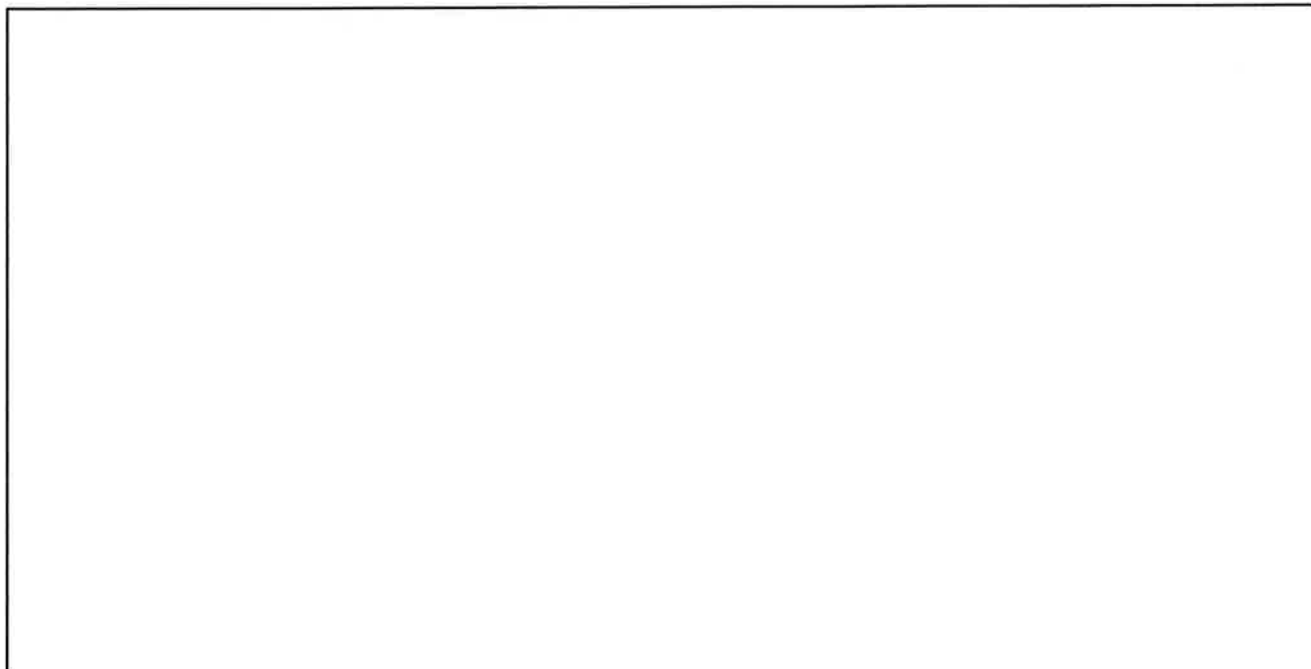
ESTDAB Cell Profile for ESTDAB-149 (Ma-Mel-5)

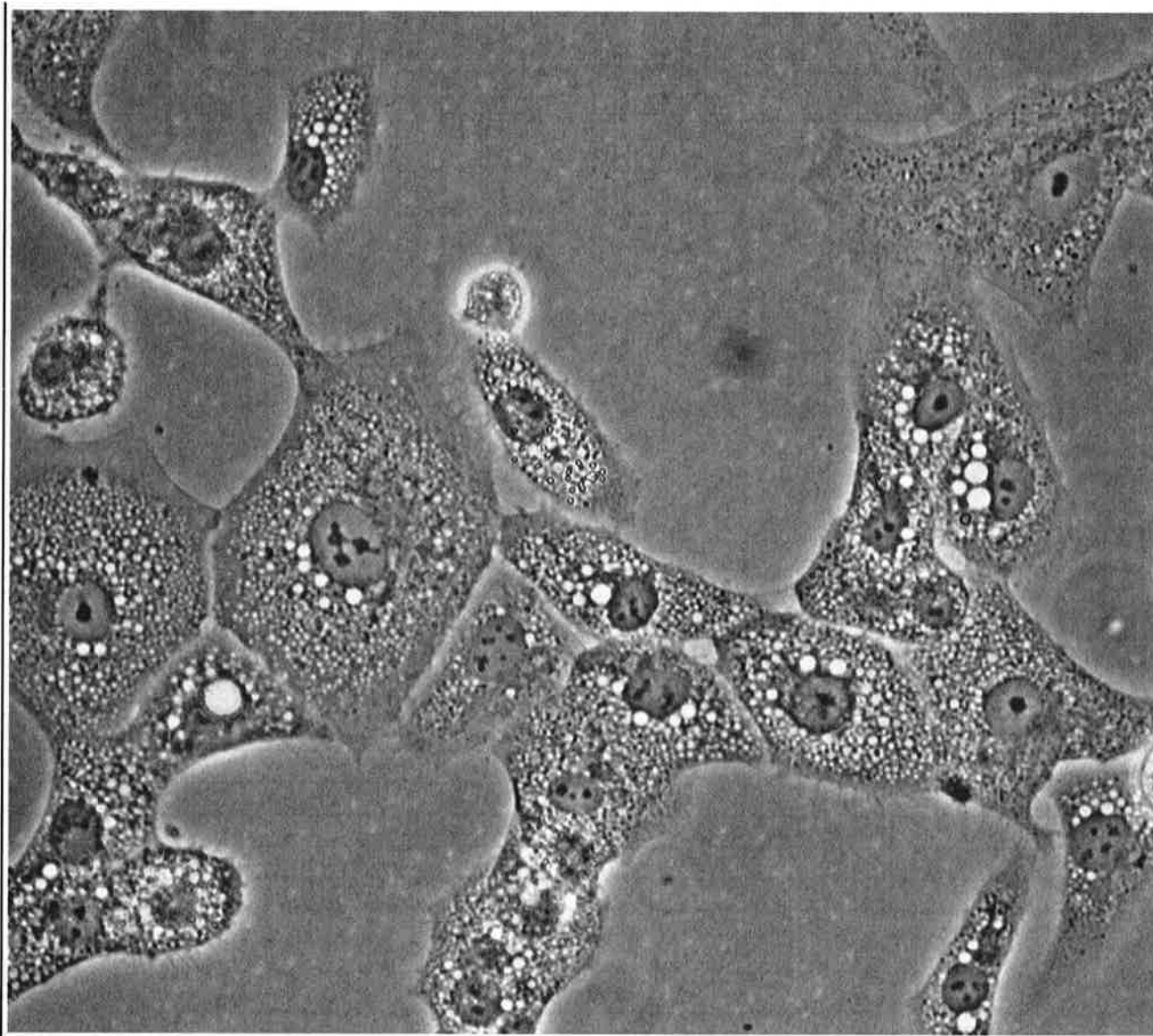
Cell Source

| | | | |
|-----------------------|--------------------|--------------------------|---------|
| Cell Type: | Melanoma | Tissue of Origin: | Unknown |
| Ethnic Origin: | Unknown | Gender: | Unknown |
| Medium Used: | RPMI 1640, 10% FBS | Morphology: | Unknown |
| Mycoplasma: | - | | |
| Comments: | None | | |

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 | 680101/680102/6811N, 0201/09/43N |
| HLA-B | 3501/02/03/04/06, 4001 |
| HLA-C | 0304, 040101 |
| HLA-DRB1 | 0801, 1301 |
| HLA-DRB3 | ND |
| HLA-DRB4 | ND |
| HLA-DRB5 | ND |
| HLA-DQA1 | ND |
| HLA-DQB1 | 0402, 0603 |
| HLA-DPA1 | ND |
| HLA-DPB1 | 0401, 020102 |

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 | + | 6,04 | + | 3,59 |
| MICA/B | + | 7,1 | + | 3,53 |
| MICB | - | 1,16 | - | 1,05 |
| 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 | 4.78 | Interleukin 10 | 12.28 |

| | | | |
|----------------------|--------|----------------------|--------|
| Interleukin 6 | | Interleukin 6 | |
| Interleukin 8 | 173,47 | Interleukin 8 | 6.48 |
| TGF Beta | 999,68 | TGF Beta | 918.28 |
| 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 | - | 1,3 | + | 5,43 |
| CD95 | + | 2,46 | + | 3,89 |
| CD95L | ND | 0 | ND | 0 |
| PD-1 | ND | 0 | ND | 0 |
| TRAIL-R1 | - | 1,04 | - | 1,04 |
| TRAIL-R2 | + | 2,46 | - | 1,4 |
| TRAIL-R3 | - | 1,06 | - | 1,05 |
| TRAIL-R4 | - | 1,32 | - | 1,25 |

| | | | |
|---------------------------|-------|--------------------------------|-------|
| 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 | G | G |
| TGF Beta | -988 | C | C |
| TGF Beta | -800 | G | G |
| TGF Beta | -509 | | |
| TGF Beta | codon 10 | C | C |
| TGF Beta | codon 25 | G | G |
| TGF Beta | 652 | | |
| TGF Beta | 653 | | |
| TGF Beta | 713 | | |
| TGF Beta | 788 | | |
| TGF Beta | 869 | C | C |
| TGF Beta | 915 | G | G |
| TNF Alpha | -1031 | | |
| TNF Alpha | -863 | | |
| TNF Alpha | -857 | | |
| TNF Alpha | -851 | | |
| TNF Alpha | -574 | | |
| TNF Alpha | -376 | | |
| TNF Alpha | -308 | G | G |
| TNF Alpha | -238 | | |
| TNF Alpha | 488 | A | A |

 DNA Profile

| DNA Profile | | (Help on DNA Profiles) | |
|-------------|--------|------------------------|--------|
| Marker | Score | Marker | Score |
| Amelogenin | X | D7S820 | 11 |
| CSF1PO | 11, 12 | FGA | 20, 21 |
| D13S317 | 11, 13 | TH01 | 9,3 |
| D3S1358 | 15, 17 | TPOX | 8 |
| D5S818 | 9, 11 | vWA | 15, 17 |

 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 | - | - | 2 | - | - | ND | - |

| | | | | | | | |
|---------|---|---|---|---|---|----|---|
| 31-40 | - | 1 | 3 | - | - | ND | - |
| 41-50 | 1 | 1 | 1 | - | - | ND | - |
| 51-60 | 1 | 1 | 1 | 1 | - | ND | - |
| 61-70 | 1 | - | 2 | 2 | - | ND | 1 |
| 71-80 | - | - | - | - | - | ND | - |
| 81-90 | - | 1 | 1 | 1 | - | ND | 1 |
| 91-100 | - | 1 | 1 | 1 | 1 | ND | 1 |
| 101-110 | - | - | 1 | 1 | - | ND | 1 |
| 111-120 | 1 | 1 | 1 | 1 | - | ND | - |
| 121-130 | - | - | 1 | 1 | - | ND | - |
| 131-140 | - | 1 | - | - | - | ND | - |
| 141-150 | - | - | - | - | - | ND | 1 |
| 151-160 | 1 | 1 | 1 | - | - | ND | - |
| 161-170 | - | - | - | 1 | - | ND | - |
| 171-180 | - | 1 | 1 | - | - | ND | 1 |
| 181-190 | - | - | 1 | 1 | - | ND | - |
| 191-200 | 1 | 1 | - | - | 1 | ND | 1 |
| >200 | 3 | 2 | 2 | 1 | - | ND | 2 |

 Surface Markers

| FACS Data | | (Help on FACS Data) | | |
|-----------|------------------|---------------------|-------------------------------|-----------|
| Marker | Initial | | After 48hrs IFN-Gamma Induced | |
| | Normalised Score | Intensity | Normalised Score | Intensity |
| CD112 | +/- | 1,51 | - | 1,26 |
| CD11a | ND | 0 | ND | 0 |
| CD11b | +/- | 1,7 | ND | 0 |
| CD155 | + | 9,14 | + | 7,51 |
| CD40 | - | 1,04 | - | 1,01 |
| CD44 | ++ | 35,86 | ++ | 27,66 |
| CD48 | - | 1,2 | ND | 0 |
| CD49d | - | 1 | ND | 0 |
| CD54 | ++ | 14,72 | ++ | 19,83 |
| CD56 | + | 4,4 | ND | 0 |
| CD57 | - | 1 | ND | 0 |
| CD58 | ++ | 11,97 | + | 8,36 |
| CD80 | ND | 0 | ND | 0 |
| CD86 | ND | 0 | ND | 0 |
| CD95 | + | 2,46 | + | 3,89 |
| CD95L | ND | 0 | ND | 0 |
| ULBP1 | - | 1,07 | - | 1,07 |
| ULBP2 | +/- | 1,94 | +/- | 1,53 |
| ULBP3 | - | 1,09 | - | 1,0 |
| gp100 | +/- | 1,7 | - | 1,37 |

| 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](#)

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