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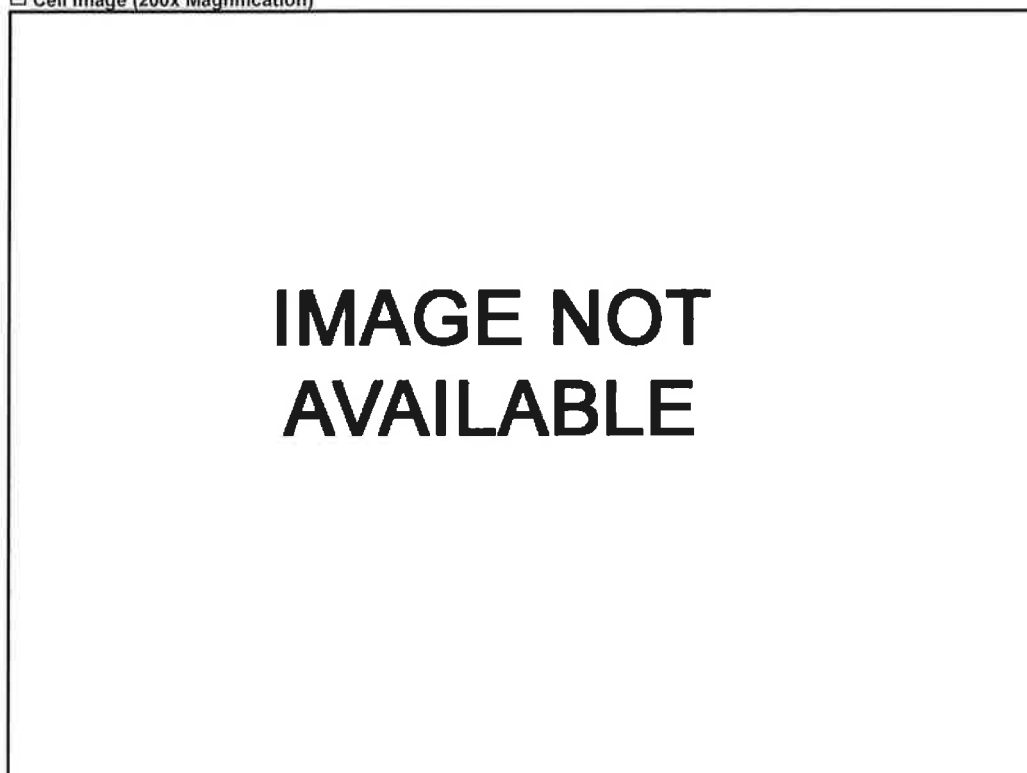
ESTDAB Cell Profile for ESTDAB-147 (UKRV-Mel-17)

Cell Source

| | | | |
|-----------------------|---|--------------------------|-----------------------|
| Cell Type: | Melanoma | Tissue of Origin: | Auxilliary Lymph Node |
| Ethnic Origin: | Unknown | Gender: | Male |
| Medium Used: | RPMI 1640, 10% FBS | Morphology: | Unknown |
| Mycoplasma: | - | | |
| Comments: | This cell line has been decontaminated from mycoplasma infection. | | |

Image of Cell

Cell Image (200x Magnification)



Related Links

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

Primary Search Determinants

High Resolution HLA Typing

| High Resolution Typing of HLA and Related Genes | (Help on HLA High Resolution Typing) |
|---|--------------------------------------|
| HLA-A | 0101/04N, 0301 |
| HLA-B | 15010101/15010102N, 570101 |
| HLA-C | 0602, 030401/0308 |
| HLA-DRB1 | 0401/06/07, 030101/0408/0411 |
| HLA-DRB3 | ND |
| HLA-DRB4 | ND |
| HLA-DRB5 | ND |
| HLA-DQA1 | ND |
| HLA-DQB1 | 0302, 0201/02 |
| 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 | ND | 0 | ND | 0 |
| MICA/B | ND | 0 | ND | 0 |
| MICB | ND | 0 | ND | 0 |
| B2m | ND | 0 | ND | 0 |

 Tumour Associated Antigens

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

| 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 | 89.5 | Interleukin 10 | 343.0 |
| Interleukin 6 | | Interleukin 6 | |

| | | | |
|---------------|------|---------------|------|
| Interleukin 8 | 2000 | Interleukin 8 | 2000 |
| TGF Beta | 78.9 | TGF Beta | 50.7 |
| 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 | ND | 0 | ND | 0 |
| CD95 | ND | 0 | ND | 0 |
| CD95L | ND | 0 | ND | 0 |
| PD-1 | ND | 0 | ND | 0 |
| TRAIL-R1 | ND | 0 | ND | 0 |
| TRAIL-R2 | ND | 0 | ND | 0 |
| TRAIL-R3 | ND | 0 | ND | 0 |
| TRAIL-R4 | ND | 0 | ND | 0 |

| RNA Protection Assay Data | | (Help on RNA Protection Assay) | |
|---------------------------|-------|--------------------------------|-------|
| Marker | Score | Marker | Score |
| caspase-8 | ND | RIP | ND |
| clAP1 | ND | TNFRp55 | ND |
| clAP2 | 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 | Y | D7S820 | 8 |
| CSF1PO | 10, 11 | FGA | 21, 24 |
| D13S317 | 11 | THO1 | 6 |
| D3S1358 | 14, 16 | TPOX | 8, 11 |
| D5S818 | 11, 12 | vWA | 15, 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 | ND | SIAT3 | ND |
| FUT4 | ND | SIAT4C | ND |
| MGAT5 | ND | | |

| Lectins | | (Help on Lectins) | | | | | |
|-------------------|-----|-------------------|-----|-----|-------|-----|-----|
| Mol. Weight (KDa) | DSA | GNA | LTA | NAA | PHA-L | SBA | SNA |
| <30 | - | - | - | - | - | | - |
| 31-40 | 1 | 2 | 1 | - | 1 | | 1 |
| 41-50 | - | - | - | - | - | | - |
| 51-60 | 1 | 2 | - | - | - | | - |
| 61-70 | - | - | - | - | - | | - |

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

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 | +/- | 1,81 | ND | 0 |
| CD155 | ND | 0 | ND | 0 |
| CD40 | ND | 0 | ND | 0 |
| CD44 | ND | 0 | ND | 0 |
| CD48 | - | 1 | ND | 0 |
| CD49d | ++ | 17,7 | ND | 0 |
| CD54 | ND | 0 | ND | 0 |
| CD56 | ++ | 16,53 | ND | 0 |
| CD57 | - | 1 | ND | 0 |
| CD58 | ND | 0 | ND | 0 |
| CD80 | ND | 0 | ND | 0 |
| CD86 | ND | 0 | ND | 0 |
| CD95 | ND | 0 | ND | 0 |
| CD95L | ND | 0 | ND | 0 |
| ULBP1 | ND | 0 | ND | 0 |
| ULBP2 | ND | 0 | ND | 0 |
| ULBP3 | ND | 0 | ND | 0 |
| 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) | | | |
|-----------------------|----------|---------------------------------|----------|-------------|-------------|
| 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 |

Further Information

For more information regarding IPD please contact [IPD Support](#).



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