

PEPperCHIP® Melanoma Antigen Microarray

Product: PEPperCHIP® Peptide Microarray

Organism: Homo sapiens (Human), 21 melanoma-associated tumor antigens

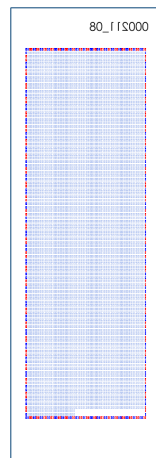
Microarray Content:

| Antigen | UniProt ID | Length |
|-----------------------------------------------------|------------|--------|
| Melanoma-associated antigen 1 | P43355 | 309 aa |
| Melanoma antigen recognized by T-cells 1 | Q16655 | 118 aa |
| Melanoma-associated antigen 3 | P43357 | 314 aa |
| Melanoma-associated antigen 4 | P43358 | 317 aa |
| Melanoma antigen preferentially expressed in tumors | P78395 | 509 aa |
| Cellular tumor antigen p53 | P04637 | 393 aa |
| Myc proto oncogene protein | P01106 | 439 aa |
| Cell surface glycoprotein MUC18 | P43121 | 646 aa |
| Tyrosinase | P14679 | 529 aa |
| Cancer/testis antigen 1 | P78358 | 180 aa |
| B melanoma antigen 1 | Q13072 | 43 aa |
| Melanoma-associated antigen 2 | P43356 | 314 aa |
| Melanoma-associated antigen C2 | Q9UBF1 | 373 aa |
| Melanoma-associated antigen D1 | Q9Y5V3 | 778 aa |
| Melanoma-associated antigen D2 | Q9UNF1 | 606 aa |
| Melanoma-associated antigen G1 | Q96MG7 | 304 aa |
| Melanoma-associated antigen 6 | P43360 | 314 aa |
| Melanoma-associated antigen C3 | Q8TD91 | 643 aa |
| Melanoma-associated antigen 12 | P43365 | 314 aa |
| Melanoma-associated antigen B2 | O15479 | 319 aa |
| Melanoma-associated antigen B1 | P43366 | 347 aa |

Sequence Compilation: The protein sequences were elongated by neutral GSGSGSG linkers to avoid truncated peptides. The elongated protein sequences were translated into 15 aa peptides printed in duplicate with a peptide-peptide overlap of 13 aa.

- peptide length/overlap: 15 aa / 13 aa
- number of peptides/spots: 4,125 / 8,250

Microarray Layout:



Each PEPperCHIP® Peptide Microarray is marked with microarray ID on the backside of the glass slide. The glass slide is accurately placed in an incubation tray with the microarray surface up if the microarray ID appears in the **top right corner** in a **mirror view** manner.

PEPperCHIP® Melanoma Antigen Microarray contains a single peptide array each chip and is compatible with a 3/1-well PEPperCHIP® Incubation Tray.

Each PEPperCHIP® Melanoma Antigen Microarray further contains HA, Polio and c-Myc control peptides (23, 28 and 24 spots each control).

Microarray Layout Files: Excel: Peptide_Map_PEPperCHIP_Melanoma_Antigen_Microarray.xlsx
MAPIX / GenePix® Pro: Melanoma_Antigen_Microarray.gal