

PEPperCHIP® Melanoma Antigen Microarray

Product: PEPperCHIP® Peptide Microarray

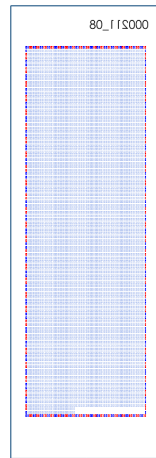
Organism: Homo sapiens (Human), 21 melanoma-associated tumor antigens

Antigen Content:	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
 - GenePix® Pro: Melanoma_Antigen_Microarray.gal
 - PepSlide® Analyzer: Melanoma_Antigen_Microarray.psf