

## PEPperCHIP® Vaccinia Virus Antigen Microarray

**Product:** PEPperCHIP® Peptide Microarray

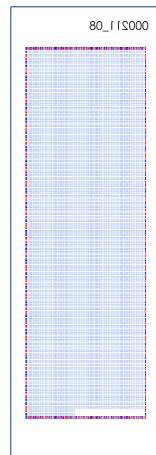
**Organism:** Vaccinia Virus

| Microarray Content: | Protein                      | UniProt Entry | Sequence Length |
|---------------------|------------------------------|---------------|-----------------|
|                     | Putative 21.7k protein       | O57265        | 188 aa          |
|                     | IMV associated protein p35   | O57206        | 324 aa          |
|                     | Putative 49.8k protein       | O57196        | 434 aa          |
|                     | Major core protein P4a       | O57223        | 891 aa          |
|                     | Interferon antagonist C7L    | P68598        | 150 aa          |
|                     | Cell surface-binding protein | O57211        | 304 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 maximum peptide-peptide overlap of 14 aa for full epitope coverage.

- peptide length/overlap: 15 aa / 14 aa
- number of peptides/spots: 2,326 / 4,652

**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® Vaccinia Virus Antigen Microarray contains a single peptide array and is compatible with a 3/1-well PEPperCHIP® Incubation Tray.

Each PEPperCHIP® Vaccinia Virus Antigen Microarray further contains HA, Polio and c-Myc control peptides (40, 30 and 22 spots each control).

**Microarray Layout Files:** Excel: Peptide\_Map\_Vaccinia\_Virus\_Antigen\_Microarray.xlsx

MAPIX / GenePix® Pro: Vaccinia\_Virus\_Antigen\_Microarray.gal