

## PEPperCHIP® Japanese Encephalitis Virus Proteome Microarray

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**Product:** PEPperCHIP® Peptide Microarray

**Organism:** Japanese Encephalitis Virus (Strain SA-14)

**Microarray Content:** Genome polyprotein cleaved into the following 13 chains:

1. Peptide 2k
2. Capsid protein C
3. prM
4. Peptide pr
5. Small envelope protein M
6. Envelope protein E
7. Non-structural protein 1
8. Non-structural protein 2A
9. Serine protease subunit NS2B
10. Serine protease NS3
11. Non-structural protein 4A
12. Non-structural protein 4B
13. RNA-directed RNA polymerase NS5

**UniProt Entry:** P27395 (<http://www.uniprot.org/uniprot/P27395>)

**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: 3,432 / 6,864

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

Each PEPperCHIP® Japanese Encephalitis Virus Proteome Microarray further contains HA, Polio and c-Myc control peptides (28, 28 and 22 spots each control).

**Microarray Layout Files:** Excel: Peptide\_Map\_Japanese\_Encephalitis\_Virus\_Proteome\_Microarray.xlsx  
GenePix® Pro: Japanese\_Encephalitis\_Virus\_Proteome.gal  
PepSlide® Analyzer: Japanese\_Encephalitis\_Virus\_Proteome.psf