

PEPperCHIP® Japanese Encephalitis Virus Proteome Microarray

Product: PEPperCHIP® Peptide Microarray

Organism: Japanese Encephalitis Virus (Strain SA-14)

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

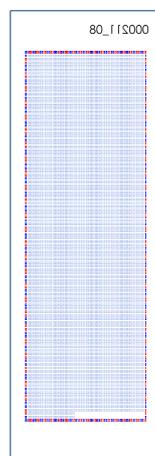
1. Peptide 2k
2. Capsid protein C
3. prM
4. Peptide pr
5. Small envelope protein M
6. Envelope protein E
7. Non-structural protein 1
8. Non-structural protein 2A
9. Serine protease subunit NS2B
10. Serine protease NS3
11. Non-structural protein 4A
12. Non-structural protein 4B
13. RNA-directed RNA polymerase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

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

Sequence Compilation: The protein sequence was elongated by neutral GSGSGSG linkers to avoid truncated peptides. The elongated protein sequence was 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).

