

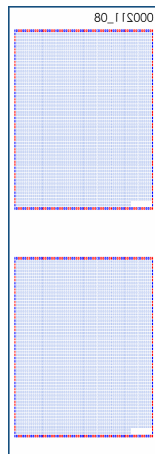
## PEPperCHIP® Dengue Virus Type 2 Antigen Microarray

<b>Product:</b>	PEPperCHIP® Peptide Microarray		
<b>Organism:</b>	Dengue virus type 2 (strain Thailand/NGS-C/1944) (DENV-2)		
<b>Microarray Content:</b>	<b>Protein</b>	<b>UniProt Entry</b>	<b>Sequence Length</b>
	Nonstructural protein 3 (serine protease NS3, 1476– 2093)	P14340	618 aa
	Nonstructural protein 1 (776-1127)	P14340	352 aa
	prM (115-280)	P14340	166 aa
	Envelope protein E (281-775)	P14340	495 aa
	Capsid protein C (1-100)	P14340	100 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: 1,759 / 3,518

**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® Dengue Virus Type 2 Antigen Microarray contains two array copies each chip and is compatible with a 3/2-well PEPperCHIP® Incubation Tray.

Each PEPperCHIP® Dengue Virus Type 2 Antigen Microarray further contains HA, Polio and c-Myc control peptides (24, 40 and 28 spots each control).

**Microarray Layout Files:**

Excel: Peptide\_Map\_DengueVirusType2\_Antigen\_Microarray.xlsx  
 GenePix® Pro: DengueVirusType2\_Antigen\_Microarray.gal  
 PepSlide® Analyzer: DengueVirusType2\_Antigen\_Microarray.psf