

## PEPperCHIP® West Nile Virus Proteome Microarray

Product:	PEPperCHIP® Peptide Microarray
Organism:	West Nile Virus
Microarray Content:	Genome polyprotein cleaved into the following 13 chains: <ol style="list-style-type: none"> <li>1. Peptide 2k</li> <li>2. Capsid protein C</li> <li>3. prM</li> <li>4. Peptide pr</li> <li>5. Small envelope protein M</li> <li>6. Envelope protein E</li> <li>7. Non-structural protein 1</li> <li>8. Non-structural protein 2A</li> <li>9. Serine protease subunit NS2B</li> <li>10. Serine protease NS3</li> <li>11. Non-structural protein 4A</li> <li>12. Non-structural protein 4B</li> <li>13. RNA-directed RNA polymerase NS5</li> </ol>
UniProt Entry:	P06935
Sequence Length/Status:	3,430 AA/Complete
Sequence Compilation:	The protein sequence was translated into 13mer peptides with a peptide-peptide overlap of 12 amino acids. The C- and N-termini were elongated by neutral GSGSGSG linkers to avoid truncated peptides.
Peptide Length/Overlap:	13 AA/12 AA
Number of Peptides/Spots:	3,438/6,876 (peptides as duplicates)
Microarray Layout:	 <p><b>Each PEPperCHIP® is marked with an individual number on the backside of the slide. The slide is placed correctly in an incubation tray with the microarray surface up when the slide number appears in the <b>upper right corner</b> in a <b>mirror view</b> manner.</b></p> <p>PEPperCHIP® West Nile Virus Proteome Microarray contains one peptide array and is fully compatible with a 3/1 well PEPperCHIP® Incubation Tray.</p> <p>Each array is framed by Flag and HA control peptides (174 spots each peptide).</p>
Microarray Layout Files:	Excel: Peptide_Map_WestNileVirus_Proteome_Microarray.xlsx GenePix® Pro: WestNileVirus_Proteome.gal PepSlide® Analyzer: WestNileVirus_Proteome.psf