

PEPperCHIP® SARS-CoV Antigen Microarray

Product: PEPperCHIP® Peptide Microarray

Organism: SARS Coronavirus (SARS-CoV)

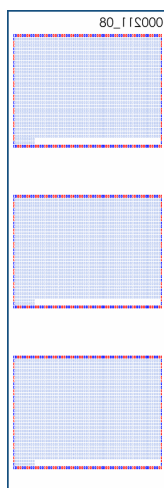
Microarray Content:	Protein	UniProt Entry	Sequence Length
	Spike glycoprotein (S protein)	P59594	1,255 AA
	Nucleoprotein (Nucleocapsid protein, NC)	P59595	422 AA
	M protein	Q19QW6	221 AA
	Envelope small membrane protein (E protein, sM)	P59637	76 AA

Sequence Compilation: The protein sequences were translated into 13mer peptides with a peptide-peptide overlap of 11 amino acids. The C- and N-termini of all protein were elongated by neutral GSGSGS linkers to avoid truncated peptides.

Peptide Length/Overlap: 13 AA/11 AA

Number of Peptides/Spots: 999/1,998 (peptides as duplicates)

Microarray Layout:



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 **upper right corner** in a **mirror view** manner.

PEPperCHIP® SARS-CoV Antigen Microarray contains three array copies and is fully compatible with a 3/3 well PEPperCHIP® Incubation Tray for one-by-one assays.

Each array copy is framed by Flag and HA control peptides (100 spots each peptide).

Microarray Layout Files: Excel: Peptide_Map_SARS-CoV_Antigen_Microarray.xlsx

GenePix® Pro: SARS-CoV_Antigen.gal

PepSlide® Analyzer: SARS-CoV_Antigen.psf