

## PEPperCHIP® SARS-CoV Antigen Microarray

**Product:** PEPperCHIP® Peptide Microarray

**Organism:** SARS Coronavirus (SARS-CoV)

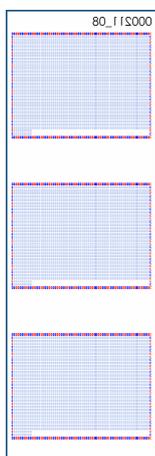
**Microarray Content:**

Protein	Database Entry	Protein 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 elongated by neutral GSGSGSG linkers to avoid truncated peptides. The elongated protein sequences were translated into 15 aa peptides printed in duplicate with a peptide-peptide overlap of 13 aa.

- peptide length/overlap: 15 aa / 13 aa
- number of peptides/spots: 998 / 1,996

**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® SARS-CoV Antigen Microarray contains three array copies each chip and is compatible with a 3/3-well PEPperCHIP® Incubation Tray.

Each PEPperCHIP® SARS-CoV Antigen Microarray further contains HA, Polio and c-Myc control peptides (21, 26 and 18 spots each control).

**Microarray Layout Files:** Excel: Peptide\_Map\_SARS-CoV\_Antigen\_Microarray.xlsx

GenePix® Pro: SARS-CoV\_Antigen\_Microarray.gal

PepSlide® Analyzer: SARS-CoV\_Antigen\_Microarray.psf