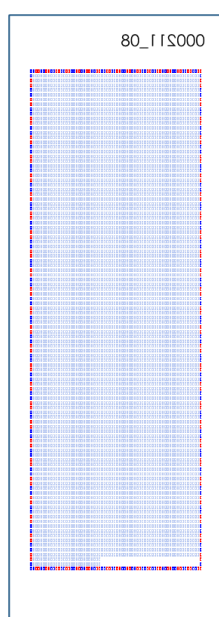# PEPperCHIP® SARS Coronavirus Proteome Microarray

Product: PEPperCHIP® Peptide Microarray

Organism: SARS coronavirus

Microarray Content: Whole proteome of SARS coronavirus (GenBank ID: NC_004718.3) as overlapping peptides

Sequence Compilation: The sequences of Orf1ab polyprotein (pp1ab), Orf1a polyprotein (pp1a), E2 glycoprotein precursor, hypothetical protein SARS3a, hypothetical protein SARS3b, protein E, matrix protein, hypothetical protein SARS6, hypothetical protein SARS7a, hypothetical protein SARS7b, hypothetical protein SARS8a, hypothetical protein SARS8b, nucleocapsid protein and hypothetical protein SARS9b were elongated and linked by neutral GSGSGSG linkers to avoid truncated peptides. The elongated protein sequences were translated into 5,014 different 15 amino acid peptides printed in duplicate (10,028 peptide spots) with a peptide-peptide overlap of 13 amino acids for high resolution epitope data.

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.

The PEPperCHIP® SARS Coronavirus Proteome Microarray contains a single peptide array and is compatible with a 3/1-well PEPperCHIP® Incubation Tray.

Each PEPperCHIP® SARS Coronavirus Proteome Microarray further contains additional HA and polio control peptides (110 spots each control peptide).

Microarray Layout Files: Excel: Peptide_Map_SARS_Coronavirus_Proteome_Microarray.xlsx

Mapix and GenePix® Pro: SARS_Coronavirus_Proteome_Microarray.gal