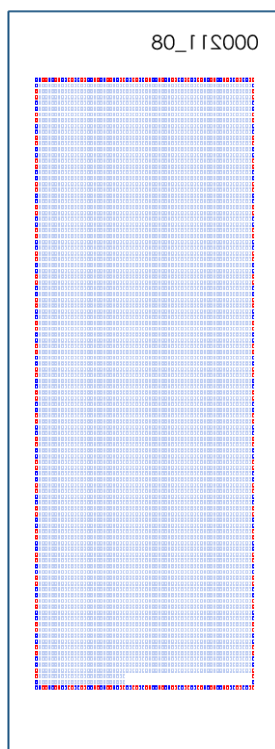


PEPperCHIP® Pan-Corona Spike Protein Microarray

Product:	PEPperCHIP® Peptide Microarray
Organism:	SARS-CoV-2, SARS-CoV, MERS-CoV, HCoV-OC43, HCoV-HKU1, HCoV-NL63 and HCoV-229E
Microarray Content:	Spike proteins from SARS-CoV-2 (UniProt ID: P0DTC2), SARS-CoV (UniProt ID: P59594), MERS-CoV (UniProt ID: A0A140AYZ5), HCoV-OC43 (UniProt ID: P36334), HCoV-HKU1 (UniProt ID: U3NAI2), HCoV-NL63 (UniProt ID: Q6Q1S2) and HCoV-229E (UniProt ID: P15423)
Sequence Compilation:	The sequences of the spike proteins of SARS-CoV-2, SARS-CoV, MERS-CoV, HCoV-OC43, HCoV-HKU1, HCoV-NL63 and HCoV-229E were elongated with neutral GSGSGSG linkers at the N- and C-terminus to avoid truncated peptides. The elongated spike protein sequences were translated into 4,564 different 15 amino acid peptides printed in duplicate (9,128 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® Pan-Corona Spike Protein Microarray contains a single peptide array and is compatible with a 3/1-well PEPperCHIP® Incubation Tray.

Each PEPperCHIP® Pan-Corona Spike Protein Microarray further contains additional HA (YPYDVPDYAG, 108 spots) and polio (KEVPALTAVETGAT, 106 spots) control peptides.

Microarray Layout Files:	Excel: Peptide Map Pan-Corona Spike Protein Microarray.xlsx Mapix: Pan-Corona Spike Protein Microarray.gal
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