

PEPperCHIP® hMPV Proteome Microarray

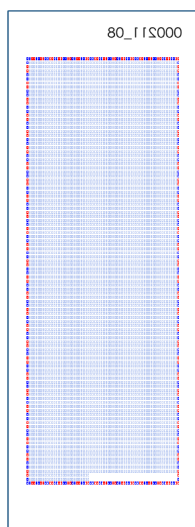
Product: PEPperCHIP® Peptide Microarray

Microarray Content: Whole proteome of human metapneumovirus (strain CAN97-83) and selected proteins of human respiratory syncytial virus B (strain B1) converted into overlapping peptides

No.	Protein	Organism	UniProt ID	Length (AA)
1	RNA-directed RNA polymerase L	Human metapneumovirus	Q6WB93	2,005
2	Protein M2-1	Human metapneumovirus	Q6WB97	187
3	Protein M2-2	Human metapneumovirus	Q6WB96	71
4	Major surface glycoprotein G	Human metapneumovirus	Q6WB94	219
5	Fusion glycoprotein F0	Human metapneumovirus	Q6WB98	539
6	Phosphoprotein	Human metapneumovirus	Q8B9Q8	294
7	Small hydrophobic protein	Human metapneumovirus	Q6WB95	179
8	Matrix protein	Human metapneumovirus	Q6WB99	254
9	Nucleoprotein	Human metapneumovirus	Q6WBA1	394
10	Major surface glycoprotein G	Human respiratory syncytial virus B	O36633	299
11	Fusion glycoprotein F0	Human respiratory syncytial virus B	O36634	574
12	Phosphoprotein	Human respiratory syncytial virus B	O42062	241

Sequence Compilation: The sequences of all proteins were elongated and linked with neutral GSGSGSG linkers to avoid truncated peptides. The linked and elongated protein sequences were converted into 5,256 different 15 amino acid peptides with a peptide-peptide overlap of 14 amino acids for high resolution epitope data printed in duplicate (10,512 peptide spots).

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

Each hMPV Proteome Microarray contains additional HA (114 spots) and polio (114 spots) control peptides.

Microarray Layout Files: Excel: Peptide Map Peptide Map hMPV Proteome Microarray.xlsx

MAPIX / GenePix® Pro: hMPV Proteome Microarray.gal