

PEPperCHIP® CNS Peptide Microarray

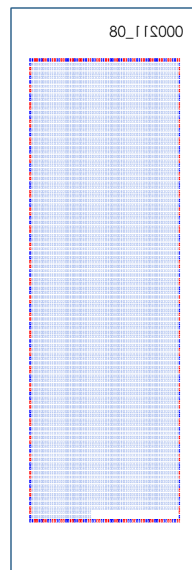
Product:	PEPperCHIP® Peptide Microarray
Organism:	Homo sapiens (Human)
Microarray Content:	25 proteins associated with neuroinflammatory disorders

Protein	Gene	UniProt ID	Length
Myelin associated glycoprotein	MAG	M0R3I4	58 aa
Myelin basic protein	MBP	P02686	304 aa
Myelin-oligodendrocyte glycoprotein	MOG	Q5SSB8	252 aa
Myelin proteolipid protein	PLP1	P60201	277 aa
2',3'-cyclic-nucleotide 3'-phosphodiesterase	CNP	P09543	421 aa
Gap junction beta-1 protein	GJB1	P08034	283 aa
Myelin protein P0	MPZ	P25189	248 aa
Periaxin	PRX	Q9BXM0	1,461 aa
Peripheral myelin protein 22	PMP22	Q01453	160 aa
Amyloid beta precursor protein	APP	P05067	770 aa
Microtubule-associated protein tau	MAPT	P10636	758 aa
Fractalkine	CX3CL1	P78423	397 aa
Neurofilament light polypeptide	NEFL	P07196	543 aa
Myelin P2 protein	PMP2	P02689	132 aa
Myelin-associated oligodendrocyte basic protein	MOBP	Q13875	183 aa
Galactocerebroside C	GALC	P54803	685 aa
Alpha-crystallin B chain	CRYAB	P02511	175 aa
Aquaporin-4	AQP4	P55087	323 aa
GlialCAM	HEPACAM	Q14CZ8	416 aa
Claudin-11	CLDN11	O75508	207 aa
Alpha-synuclein	SNCA	P37840	140 aa
Neurofilament heavy polypeptide	NEFH	P12036	1,026 aa
Glial fibrillary acidic protein	GFAP	P14136	432 aa
Neurofascin	NFASC	O94856	1,347 aa
Neuronal membrane glycoprotein M6-b	GPM6B	Q13491	265 aa

Sequence Compilation: The protein sequences were elongated by neutral GSGSGSG linkers to avoid truncated peptides. The elongated protein sequences were converted into 15 aa peptides printed in duplicate with a peptide-peptide overlap of 13 aa for high resolution epitope mapping.

- Peptide length/overlap: 15 aa / 13 aa
- Number of peptides/spots: 5,573 / 11,146

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® CNS Peptide Microarray contains a single peptide array each chip and is compatible with a 3/1-well PEPperCHIP® Incubation Tray.

Each PEPperCHIP® CNS Peptide Microarray contains additional HA (36 spots) and polio (34 spots) control peptides.

Microarray Layout Files: Excel: Peptide Map CNS Peptide Microarray.xlsx

MAPIX / GenePix® Pro: CNS Peptide Microarray.gal