

PEPperCHIP® Conformational Pan-AAV Capsid Protein Microarray

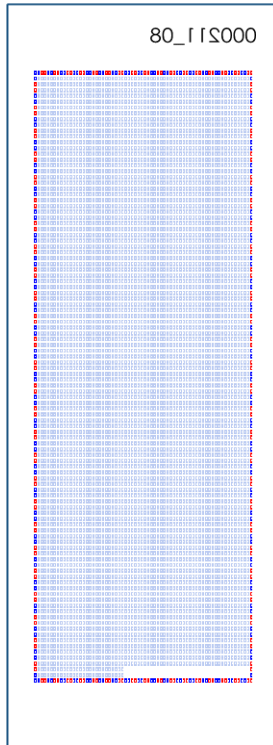
Product: PEPperCHIP® Peptide Microarray

Organism: Various adeno-associated virus

Microarray Content: Capsid proteins of AAV1 (protein ID NP_049542.1), AAV2 (protein ID P03135), AAV3b (protein ID O56139), AAV4 (protein ID O41855), AAV5 (protein ID Q9YIJ1), AAV6 (protein ID O56137), AAV7 (protein ID Q8JQG0), AAV8 (protein ID Q8JQF8), AAV9 (protein ID AAS99264.1), AAVrh.10 (protein ID AAO88201.1), AAVpo.1 (protein ID ACN42940.1), AAV10 (protein ID AAT46337.1), AAV11 (protein ID AAT46339.1), AAV12 (protein ID ABI16639.1) and AAV13 (protein ID ABZ10812)

Sequence Compilation: The sequences of 15 different wild type AAV capsid proteins were elongated with neutral GSGSGSG linkers at the N- and C-terminus to avoid truncated peptides. The elongated capsid protein sequences were converted into 5,534 different cyclic constrained peptides printed with a length of 13 amino acids and a peptide-peptide overlap of 11 amino acids printed in duplicate (11,068 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® Conformational Pan-AAV Capsid Protein Microarray contains a single peptide array and is compatible with a 3/1-well PEPperCHIP® Incubation Tray.

Each PEPperCHIP® Conformational Pan-AAV Capsid Protein Microarray further contains additional HA (YPYDVPDYAG, 52 spots) and polio (KEVPALTAVETGAT, 30 spots) control peptides.

Microarray Layout Files: Excel: Peptide Map Conf. Pan-AAV Capsid Protein Microarray.xlsx
Mapix: Conformational Pan-AAV Capsid Protein Microarray.gal