

PEPperCHIP® HBV Proteome Microarray

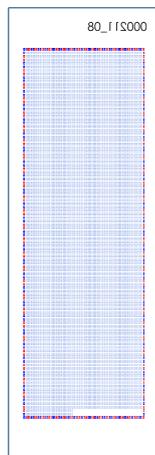
- Product:** PEPperCHIP® Peptide Microarray
- Organism:** Hepatitis B Virus (HBV)
- Genotypes and strains:**
- Genotype A, subtype A1 adw2, isolate South Africa/84/2001
 - Genotype A, subtype A2 isolate Japan/11D11HCCW/1998
 - Genotype B, subtype B1, isolate Japan/Yamagata-2/1998
 - Genotype B, subtype B2, isolate Vietnam/9873/1997
 - Genotype C, subtype adr, isolate Japan/A4/1994
 - Genotype C, isolate Vietnam/3270/2000
 - Genotype D, isolate Germany/1-91/1991
 - Genotype E, isolate Cote d'Ivoire/ABI-212/2003
 - Genotype F, subtype F1, isolate Argentina/sa11/2000
 - Genotype F, subtype F2 adw4q, isolate Senegal/9203
 - Genotype G, isolate IG29227/2000
 - Genotype H, subtype adw4, isolate Nicaragua/2928Nic/1997

Microarray Content: Proteomes of the abovementioned strains as available on UniProt (see Excel file Peptide_Map_HBV_Proteome_Microarray.xlsx for UniProt IDs).

Sequence Compilation: The protein sequences were elongated by neutral GSGSGSG linkers to avoid truncated peptides. The elongated protein sequences were translated into 15 aa peptides printed in duplicate with a peptide-peptide overlap of 12 aa. Identical peptides were removed.

- peptide length/overlap: 15 aa / 12 aa
- number of peptides/spots: 4,713 / 9,426

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

PEPperCHIP® HBV Proteome Microarray further contains additional HA, Polio and c-Myc control peptides (28, 36 and 26 spots each control).

Microarray Layout Files: Excel: Peptide_Map_HBV_Proteome_Microarray.xlsx
 MAPIX / GenePix® Pro: HBV_Proteome_Microarray.gal