

PEPperCHIP® Epstein-Barr Virus Antigen Microarray

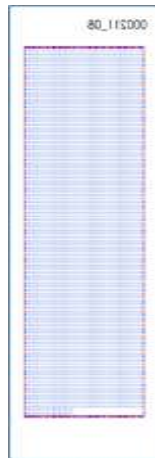
Product:	PEPperCHIP® Peptide Microarray
Organism:	Epstein-Barr Virus (strain B95-8)
Microarray Content:	Gp350, EBNA1, EBNA2, EBNA3A, EBNA3B, EBNA3C, EBNA-LP, LMP1, LMP2, BZLF1 (Zebra), BRLF1 (Rta), BMLF1, BMRF1

Protein	Database Entry	Protein Length
Gp350	P03200	907 aa
EBNA1	P03211	641 aa
EBNA2	P12978	487 aa
EBNA3A	P12977	944 aa
EBNA3B	Q1HVG4	946 aa
EBNA3C	Q69140	1,069 aa
EBNA-LP	Q8AZK7	506 aa
LMP1	P03230	386 aa
LMP2	P13285	497 aa
BZLF1 (Zebra)	P03206	245 aa
BRLF1 (Rta)	P03209	605 aa
BMLF1	Q04360	479 aa
BMRF1	P03191	404 aa

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 13 aa.

- peptide length/overlap: 15 aa / 13 aa
- number of peptides/spots: 4,101 / 8,202

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® Epstein-Barr Virus Antigen Microarray contains a single peptide array and is compatible with a 3/1-well PEPperCHIP® Incubation Tray.

Each PEPperCHIP® Epstein-Barr Virus Antigen Microarray further contains HA, Polio and c-Myc control peptides (29, 32 and 26 spots each control).

Microarray Layout Files: Excel: Peptide_Map_Epstein-Barr_Virus_Antigen_Microarray.xlsx

GenePix® Pro: Epstein-Barr_Virus_Antigen_Microarray.gal

PepSlide® Analyzer: Epstein-Barr_Virus_Antigen_Microarray.psf