

PEPperCHIP® BK Polyomavirus Antigen Microarray

Product: PEPperCHIP® Peptide Microarray

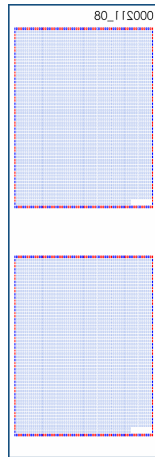
Organism: BK polyomavirus (BKPyV)

Microarray Content:	Protein	UniProt Entry	Sequence Length
	Small T antigen	P03082	172 aa
	Large T antigen	P14999	691 aa
	Major capsid protein VP1	P14996	362 aa
	Minor capsid protein VP2	P03094	351 aa
	Minor capsid protein VP3	P03094-2	232 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 maximum peptide-peptide overlap of 14 aa for full epitope coverage.

- peptide length/overlap: 15 aa / 14 aa
- number of peptides/spots: 1,836 / 3,672

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® BK Polyomavirus Antigen Microarray contains two array copies each chip and is compatible with a 3/2-well PEPperCHIP® Incubation Tray.

Each BK Polyomavirus Antigen Microarray further contains HA, Polio and c-Myc control peptides (24, 40 and 28 spots each control).

Microarray Layout Files: Excel: Peptide_Map_BKPolyomavirus_Antigen_Microarray.xlsx

GenePix® Pro: BK_Polyomavirus_Antigen_Microarray.gal

PepSlide® Analyzer: BK_Polyomavirus_Antigen_Microarray.psf