PEPperCHIP® Tetanus Toxin Microarray

Product: PEPperCHIP® Peptide Microarray

Organism: Clostridium tetani (strain Massachusetts / E88)

Microarray Content: Tatanus toxin (Tentoxylysin) cleaved into the following 2 chains:

1. Tetanus toxin light chain (*Short name*: Tetanus toxin chain L)
2. Tetanus toxin heavy chain (*Short name:* Tetanus toxin chain H)

UniProt Entry: P04958 (http://www.uniprot.org/uniprot/P04958)

Sequence Compilation: The protein sequence was elongated by neutral GSGSGSG linkers to avoid truncated peptides. The elongated protein sequence was 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: 1,315 / 2,630

Microarray Layout:
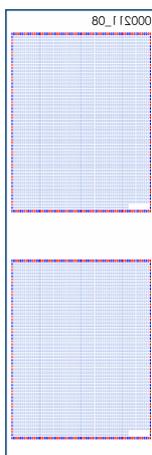
Each PEPperCHIP® Peptide Microarray is marked with microarray ID on the backside of the glass slide. The glass slide is accurately placed in an incubation tray with the microarray surface up if the microarray ID appears in the top right corner in a mirror view manner.

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

Each PEPperCHIP® Tetanus Toxin Microarray further contains HA, Polio and c-Myc control peptides (31, 30 and 22 spots each control).

Microarray Layout Files: Excel: Peptide_Map_Tetanus_Toxin_Microarray.xlsx

MAPIX / GenePix® Pro: Tetanus_Toxin_Microarray.gal