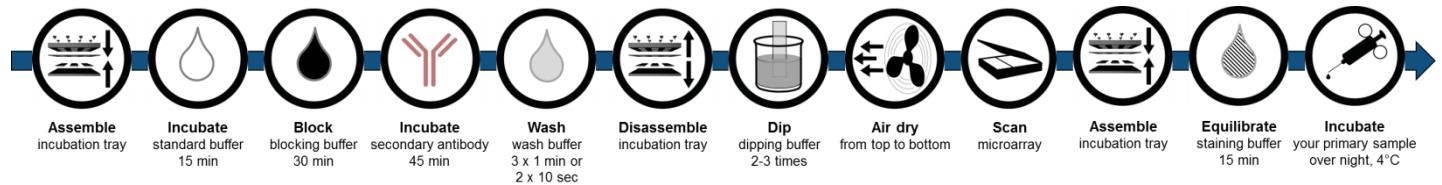


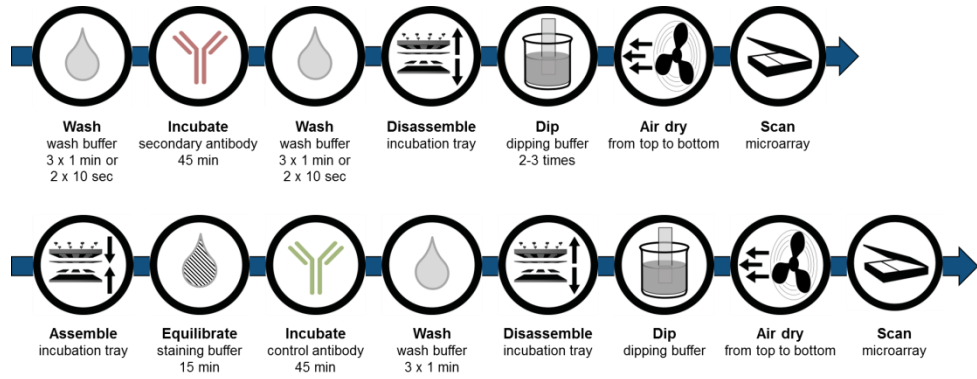
Quick Start Guide: PEPperCHIP® Immunoassay Protocol



Day 1



Day 2



For a detailed description, please download the complete protocol (link below)

Approximate experimental time for each day: 2.5 – 3 hours

Protocol & Buffers

- Standard buffer:** PBS with 0.05% Tween20, pH 7.4
- Blocking buffer:** Rockland Blocking Buffer MB-070 or standard buffer with 1% BSA
- Staining buffer:** PBS with 0.05% Tween20 & 10% blocking buffer
- Dipping buffer:** 1 mM Tris, pH 7.4

Complete protocol:
www.pepperprint.com/technology/downloads-and-protocols

 Antibody Analysis	 Autoimmune Research	 Cancer Research
 Infectious Diseases	 Vaccine Development	 Allergy Research

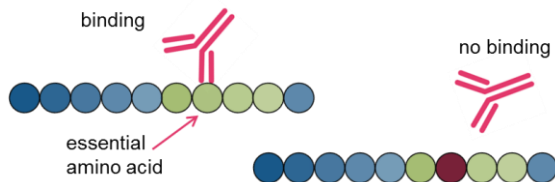




Which analysis is the best fit for your project?

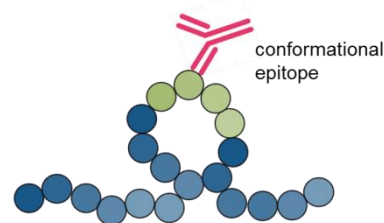
Epitope Substitution Scan

- Identify conserved & variable amino acids of a wild-type epitope
- Identify actual motif length & new epitope variants
- Including L-, D- & non-natural amino acids (e.g. citrulline)



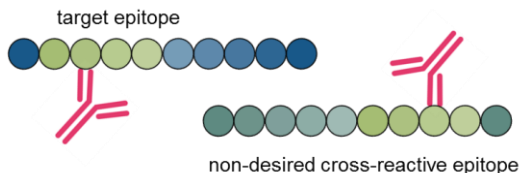
Conformational Epitope Mapping

- Characterize conformational epitopes
- Cyclic constrained peptides mimic 3D looped epitope structures
- For epitope validation of diagnostic & therapeutic antibodies



Cross-reactivity Analysis

- Profile non-specific antibody interactions
- Risk assessment by database blasting
- Discover unknown antigens using the human epitope microarray



Synthetic Peptides

- Based on epitope mapping data, design further experiments, e.g. ELISA or immunization studies
- Standard & custom peptides of high purity
- Wide range of amino acid modifications available

