DIN EN ISO 9001 certified

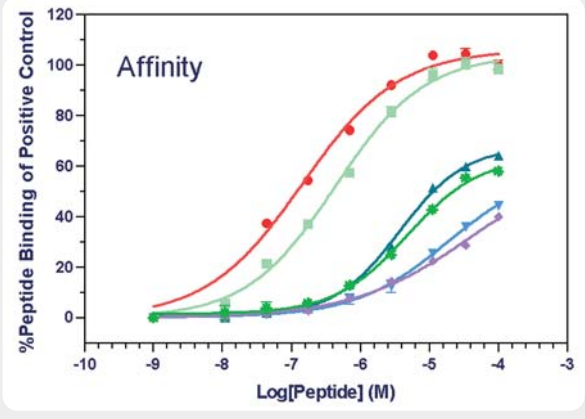
GLP conform

Thymed
Visualizing Immunity

Epitope Discovery, Mapping & Validation

Thymed's Visualizing Immunity™ platform offers a unique portfolio of epitope discovery and mapping technologies covering B-cell, cytotoxic T-cell and T-helper epitopes. These feature real binding, affinity and off-rate analyses and can be used alone or to verify predicted epitopes.

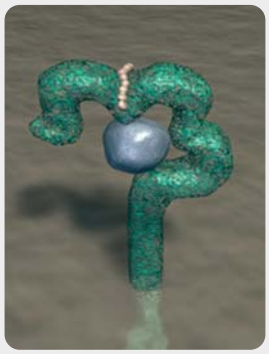
High density peptide microarrays are used to directly identify, map and validate antibody epitopes using serum, plasma or other body fluid from immunized or diseased individuals. MHC Class II-binding peptides are identified/mapped using high density microarrays and validated using Tetramers, ELISpot, ICS or other assay in conjunction with fresh whole blood or PBMC from immunized or diseased individuals. The iTOPIA™ epitope discovery system from Beckman Coulter is used to identify or map MHC Class I-binding peptides prior to validating these using Tetramers, ELISpot assay, ICS or other method with fresh whole blood or PBMC from appropriate individuals. These help you define and visualize the key components of the immune response both with regard to immune activation and immunoregulation.



The Essentials

- **Material Requirements** – assay dependent – please enquire
- Suitable for **Clinical Phases** I to IV
- Enables detailed **Characterization** of immune response and potential identification of companion biomarkers/diagnostics
- Permits **Correlation** with disease progression/vaccination/therapy
- Detects wanted/unwanted **Immunotoxicity**, **Immunogenicity** and **Immunosuppression**

The data obtained is valid for Asian, African and Caucasian populations. It empowers the design of vaccines and enables selection of companion diagnostics and biomarkers – crucial to improving existing and creating new vaccines.



Located 45mins from Frankfurt International Airport, in the heart of Europe, Thymed boasts excellent logistics. Thymed's well-equiped, state-of-the-art laboratories and specialty testing services are ISO 9001 certified and conform to GLP.

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