

QuickSwitch™

- Rapid and Reliable Custom Tetramer Production Kits -

MHC Tetramers

Useful Tools for Immune Monitoring

Infection Cancer immunology
Cell therapy Autoimmunity T cell neoantigen
Transplantation DC vaccine CAR-T CD 4 CD 8

Featured Products

- [QuickSwitch™ Quant HLA-A*02:01 Tetramer Kit](#)
- [QuickSwitch™ Quant HLA-A*24:02 Tetramer Kit](#)
- [QuickSwitch™ Quant HLA-A*11:01 Tetramer Kit](#)
- [QuickSwitch™ Quant HLA-A*03:01 Tetramer Kit](#)
- [QuickSwitch™ Quant HLA-A*01:01 Tetramer Kit](#)
- [QuickSwitch™ Quant HLA-B*07:02 Tetramer Kit](#)
- [QuickSwitch™ Quant H-2Kb Tetramer Kit](#)

MHC tetramers are essential tools for immunologists, enabling precise [identification and isolation of antigen-specific T cells](#). While common MHC peptide tetramers are readily available and can be shipped within days, rare tetramers or those incorporating newly discovered peptides often require [custom production](#)—traditionally a time-consuming process.

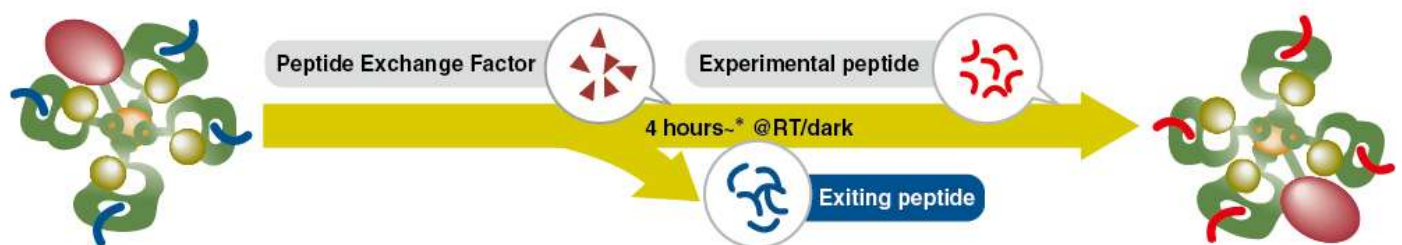
QuickSwitch™ Custom Tetramer Kits: Fast, Easy, and Flexible

Custom tetramers no longer require weeks of production. With QuickSwitch™, you can create your own human or mouse Class I MHC tetramers in a single day—without complex techniques like UV cleavage.

- **Simple Workflow:** Perform peptide-MHC exchange easily and quantify exchange with ease.
- **Up to 10 Peptides:** Screen or incorporate newly discovered antigens quickly using patented technology.
- **Versatile Applications:** Generate custom tetramers or evaluate peptide binding affinity—all with one kit.

QuickSwitch™ delivers a fast, reproducible solution for ready-to-use MHC Class I tetramers loaded with your desired epitopes, accelerating your research without the wait.

Principle of the peptide exchange reaction



*Reaction time is different for each kit.

[Learn More About QuickSwitch™](#)

☆Discover groundbreaking 2025 research powered by QuickSwitch™ Custom Tetramer Kits.

An SNP-dependent cancer-testis antigenic epitope serves as a promising immunotherapeutic target for cancer

Murata, K., *et al.*, *OncolImmunology* (2025) [PMID: [40631515](#)]

Identification of TTLL8, POTE, and PKMYT1 as immunogenic cancer-associated antigens and potential immunotherapy targets in ovarian cancer

Bassoy, E. Y., *et al.*, *Oncolimmunology* (2025) [PMID: [39891409](#)]

The T cell receptor sequence influences the likelihood of T cell memory formation

Lagattuta, K. A., *et al.*, *Cell Rep.* (2025) [PMID: [39731734](#)]

Identification of novel KRAS^{G12D} neoantigen specific TCRs and a strategy to eliminate off-target recognition

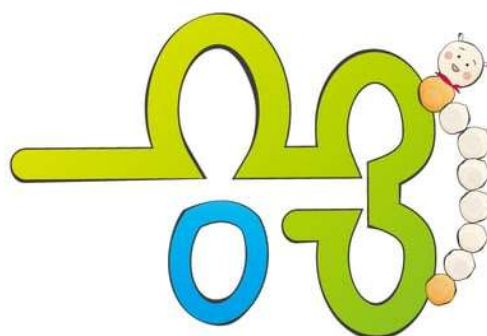
Han, X., *et al.*, *J Transl. Med.* (2025) [PMID: [39819441](#)]

Immunogenic cryptic peptides dominate the antigenic landscape of ovarian cancer

Raja, R., *et al.*, *Sci Adv.* (2025) [PMID: [39970218](#)]

Modeling of T cell-mediated autoimmune pituitary disease using human induced pluripotent stem cell-originated organoid

Kanie, K., *et al.*, *Nat Commun.* (2025) [PMID: [40855071](#)]



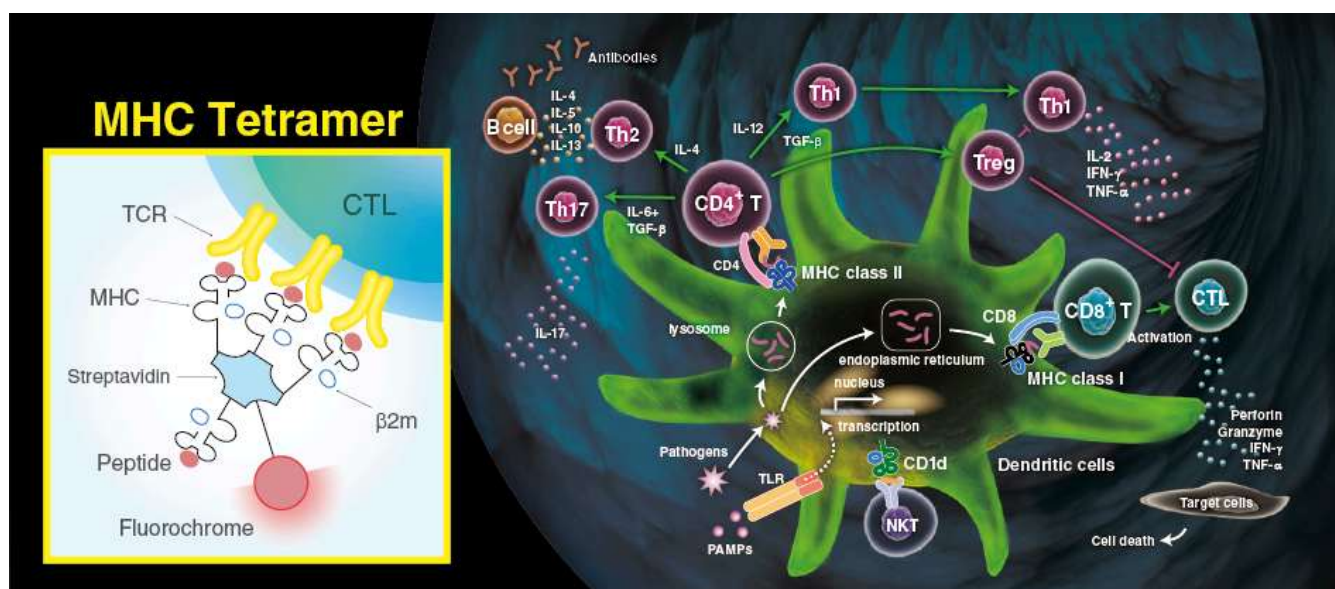
MBL Character, AZ Goes Peptide Mode:Forming a Complex with MHC!

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Related Products

- [MHC Tetramer](#)

Reagent for direct detection of antigen-specific T cells



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Stay tuned for more updates and product information in our upcoming newsletters

Thank you for choosing MBL for your biological research needs.

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<https://www.mblbio.com/e/privacy/>

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