

## 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.

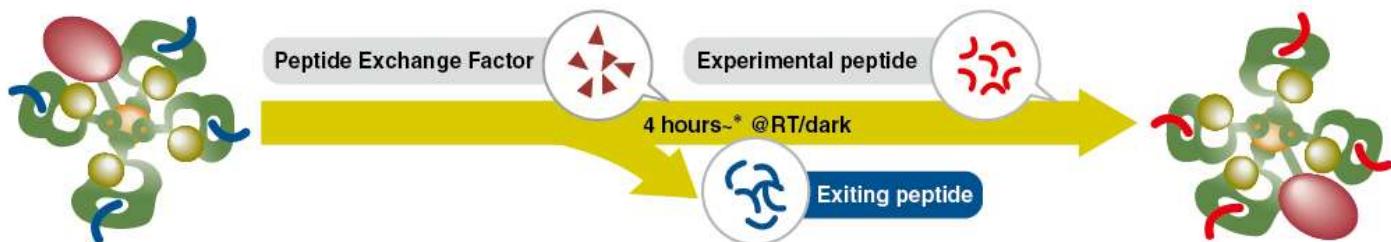
## QuickSwitch™ Custom Tetramer Kits: Fast, Easy, and Flexible

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**

**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<sup>G12D</sup> 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](#)]

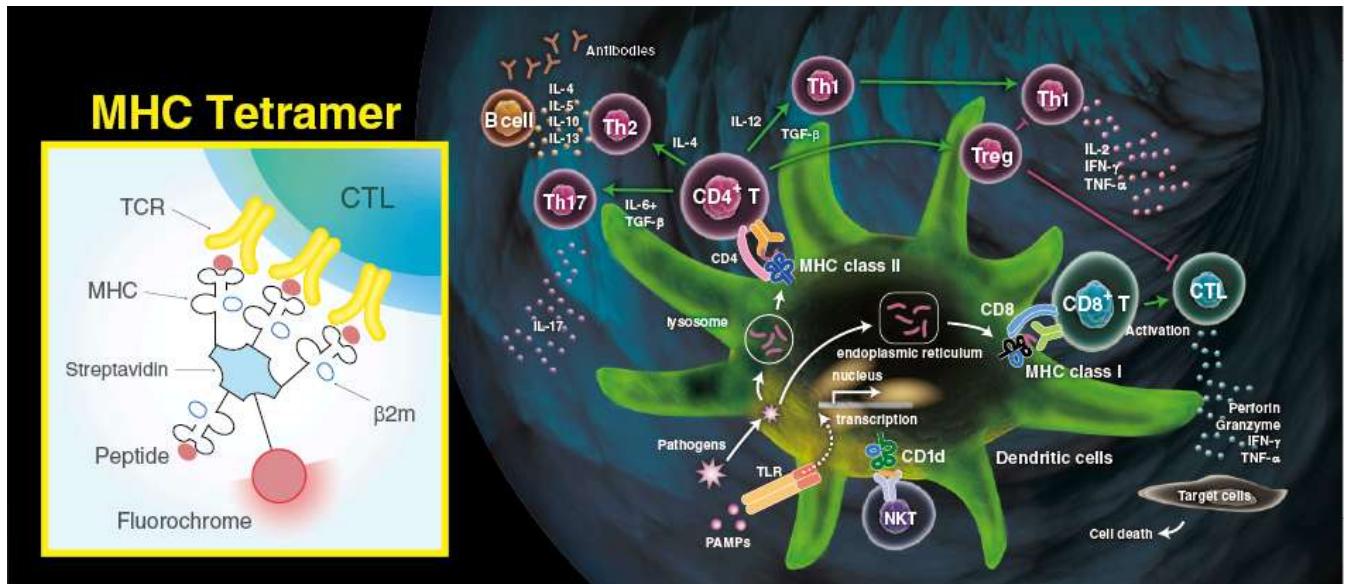


[Contact us!](#)

## Related Products

- [MHC Tetramer](#)

Reagent for direct detection of antigen-specific T cells



[Contact us!](#)

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

Thank you for choosing MBL for your biological research needs.

For research use only. Not for use in diagnostic or therapeutic procedures. The information is as of January 2026. Please contact us for the latest information. Please read the data sheets carefully before use.

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

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