

## Expanding Our MHC Tetramer Portfolio - KRAS Hotspot Mutation Antigens -

**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

We are pleased to announce the release of new MHC tetramers featuring KRAS hotspot mutation peptides. These reagents support cutting-edge research in neoantigen discovery, cancer immunology, and TCR-T cell therapy.

### Featured Products

- [MHC tetramers targeting KRAS hotspot mutation antigens](#)

### Why KRAS Hotspot Mutations Matter

KRAS mutations—particularly those at codons 12, 13, and 61—generate tumor-specific neoantigens such as G12D and G12V. These mutations are key oncogenic drivers widely studied in pancreatic, lung, and colorectal cancers, and have become central targets for precision immunotherapy.

As TCR-T programs continue to advance toward clinical translation, high-quality KRAS mutation peptide–MHC complexes are indispensable tools for verifying antigen specificity and monitoring T-cell responses.

### Featured MHC Tetramers

Examples of available KRAS hotspot mutation tetramers include:

[HLA-A\\*02:01 KRAS G12C / G12D / G12V](#)

[HLA-A\\*03:01 KRAS G12C / G12D / G12V](#)

[HLA-A\\*11:01 KRAS G12A / G12C / G12D / G12R / G12S / G12V / G13D](#)

Full list is available on the product page.

## Looking for a specific MHC Tetramer?

Search our full range of MHC tetramer products using the link below. You can filter by peptide–allele combination to find the optimal reagent for your study.

[MHC tetramer search](#)

## Custom Production Services

If the peptide–allele combination you need is not listed, our team can prepare custom MHC tetramers tailored to your target antigen. MBL's long-standing expertise ensures high-quality and reliable custom reagents for advanced immunology research.

- [MHC Class I custom Tetramer, Monomer](#)
- [MHC Class II custom Tetramer, Monomer](#)

[Contact Us for Custom Tetramers and Monomers!](#)

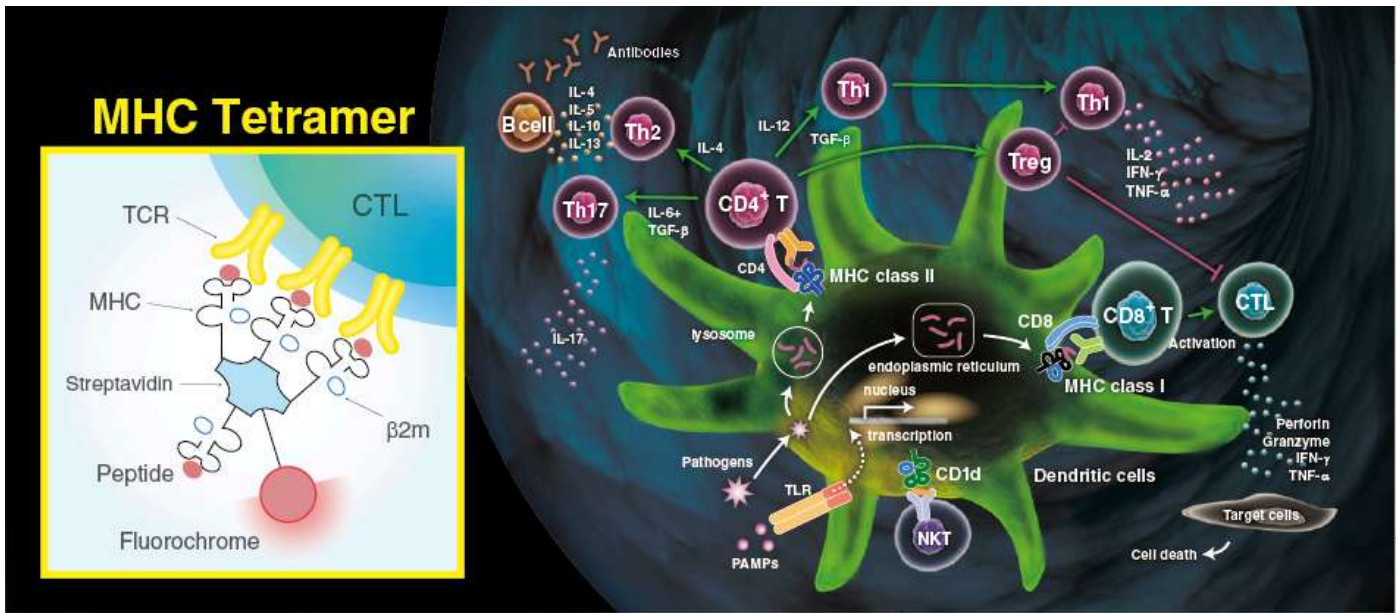


MBL Character, AZ Goes Peptide Mode:Forming a Complex with MHC!

---

## [MHC Tetramer](#)

Reagents 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 April 2026. Please contact us for the latest information. Please read the data sheets carefully before use

Please see the link below for the policy regarding the handling of personal information.  
<https://www.mblbio.com/e/privacy/>

**MEDICAL & BIOLOGICAL LABORATORIES CO., LTD.**  
SUMITOMO FUDOSAN SHIBADAIMON NICHOME BLDG.  
2-11-8 Shibadaimon, Minato-ku, Tokyo 105-0012 Japan  
E-mail: [inquiry-ruo@mbi.co.jp](mailto:inquiry-ruo@mbi.co.jp)  
<https://www.mblbio.com/e/>

\*If you have no recollection of this email, please contact us above.  
\*Reproducing all or any part of the contents is prohibited.

MEDICAL & BIOLOGICAL LABORATORIES CO., LTD., 2-11-8  
Shibadaimon, SUMITOMO FUDOSAN SHIBADAIMON NICHOME  
BLDG., Minato-ku, Tokyo, 105-0012, Japan  
[Unsubscribe](#) [subscription settings](#)