MEDICAL & BIOLOGICAL LABORATORIES CO., LTD.

Optimizing MHC Tetramer Staining: Practical Tips
- Avoid Common Pitfalls in Tetramer Staining -

Even when following established protocols, a few small adjustments can help improve MHC tetramer staining results.
Key factors such as CD8 antibody selection, the use of appropriate negative controls, and steps to reduce high background signals can all have a significant impact on data quality.
In this issue, we share practical tips based on common questions and troubleshooting cases from researchers working with MHC tetramer reagents.
Paying attention to these points can help you obtain clearer and more reliable staining results.
For detailed explanations, recommended conditions, and additional troubleshooting advice, please visit our website.

Explore MHC Tetramer Optimization and Troubleshooting Tips

Featured Products

Recommended CD8 Clones for MHC Tetramer Staining
For reliable staining with our MHC tetramers, MBL recommends the following anti-CD8 antibody clones.
Certain clones may interfere with tetramer staining, leading to suboptimal results.
We strongly recommend clones Hit8a, SFCI21Thy2D3 (T8), or MCD8 for human MHC tetramer staining, while for murine experiments CD8 clone selection is even more critical, with clone 53-6.7 to be avoided if possible and clone KT15 strongly recommended.
MBL offers anti-CD8 antibodies validated for compatibility with MHC tetramers:

- **Human CD8: Clone Hit8a**
- **Mouse CD8: Clone KT15**

Looking for a specific MHC Tetramer?

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Need a custom Tetramer?

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A flexible way to prepare custom tetramers in just a few hours

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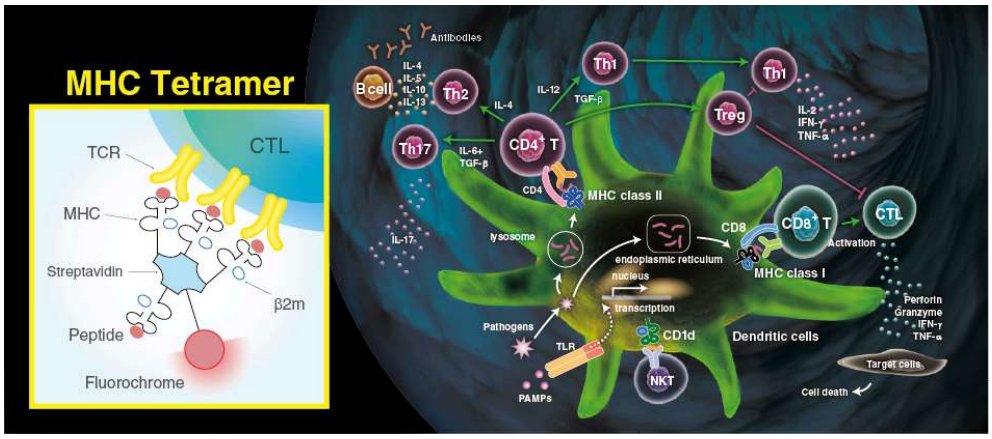
MBL Character, AZ Goes Peptide Mode:Forming a Complex with MHC!

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.

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