T-cell Monitoring With the Power of Multiplexing

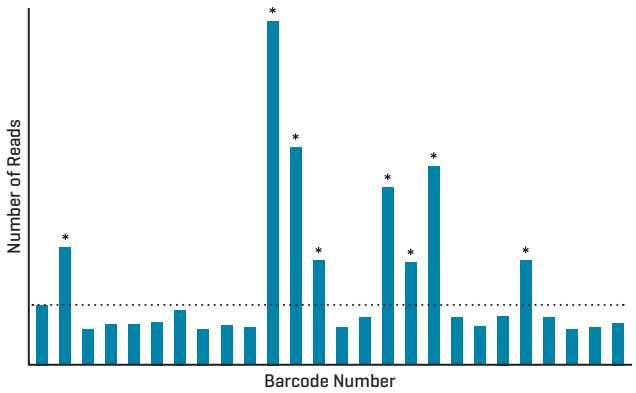
dCODE Dextramer® products combine the sensitivity of MHC Dextramer® with the multiplexing power of DNA barcodes for the efficient detection of T-cell populations using next generation sequencing (NGS). With dCODE Dextramer® you can have a deeper understanding of the immune response, unlocking new insights, and accelerating your research outcomes.

What Can You Do With dCODE Dextramer®

From the identification of multiple antigen-specific T cells to deep multi-omics analysis, with dCODE Dextramer® you can get a comprehensive understanding of the immune response in your sample.

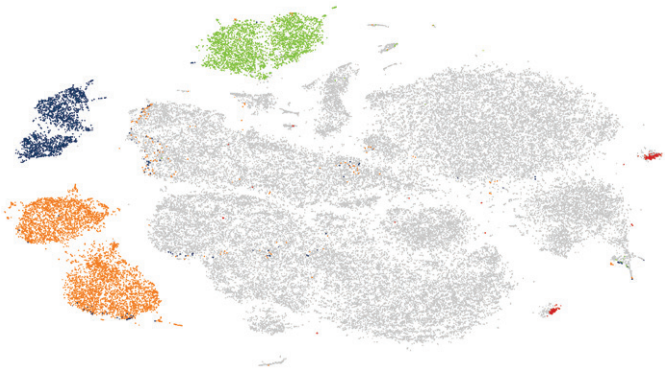
Epitope discovery and neo-antigen screening

Large panels of dCODE Dextramer® (HiT) allow the simultaneous detection of several T-cell responses by PCR and NGS.



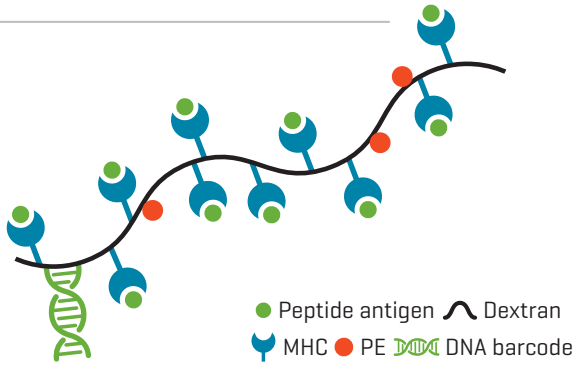
Multi-omics analysis of antigen-specific T cells and B cells

dCODE Dextramer® for multi-omics analysis can detect antigen-specific T cells and B cells, simultaneously allowing single cell transcriptomic profiling and V(D)J sequencing.



Key Features of dCODE Dextramer®

- High-avidity binding to T-cell receptors thanks to multiple MHC-peptide complexes
- High-throughput screening with a unique barcode for each MHC-peptide specificity
- Enrichment of low-frequency cells thanks to PE fluorochromes
- Compatible with single-cell gene expression analysis



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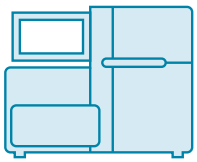
dCODE Dextramer®: Adapted to Fit Your Chosen Platform

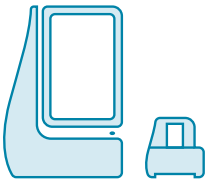


dCODE Dextramer® (HiT)

- Screening tool for high-throughput epitope discovery and neo-antigen screening
- Bulk analysis of antigen-specific T cells by sequencing of the DNA oligo barcode

dCODE Dextramer® (10x)

- Single-cell multi-omics analysis of antigen-specific populations combined with transcriptomic profile, protein expression analysis and TCR sequencing
- DNA barcode compatible with 10x Chromium system, using Feature Barcode protocol



dCODE Dextramer® (RiO)

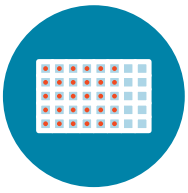
- Single-cell multi-omics analysis of antigen-specific populations combined with transcriptomic profile, protein expression analysis and TCR sequencing
- DNA barcode compatible with BD Rhapsody™ Single-Cell Analysis System

dCODE Dextramer®: Adapted to Detect the Target of Your Interest

- **MHC dCODE Dextramer®** ready-to-use reagents for the detection of CD8+ and CD4+ antigen-specific T cells
- **dCODE Klickmer®** to create personalized **dCODE Dextramer®** by loading your choice of biotinylated molecules (for B-cell research and much more)
- **U-Load dCODE Dextramer®** to produce **dCODE Dextramer®** in your own lab to detect T cells with your choice of peptide-receptive MHC alleles
- **CD1d dCODE Dextramer®** ready to use or customizable for the detection of NKT cells

dCODE Dextramer® Product Grades

EXPLORE



Reagent panels (16, 32, 48, 64, 80, 96, nx96 specificities) designed for large screenings (i.e., epitope discovery and neo-antigen screening)

- Selected MHC I alleles available
- Peptide binding based on peptide-MHC affinity prediction, not verified by a quality control

GOLD

Single reagents, designed for the analysis of few antigen specificities (i.e., monitoring of a small number of antigen-specific populations or validation of large screening findings)

- All MHC I and MHC II alleles from Immudex' catalog are available. List of alleles on Immudex website
- Peptide binding verified by a quality control

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