

## Identify Multiple Antigen-specific T Cells in One Sample

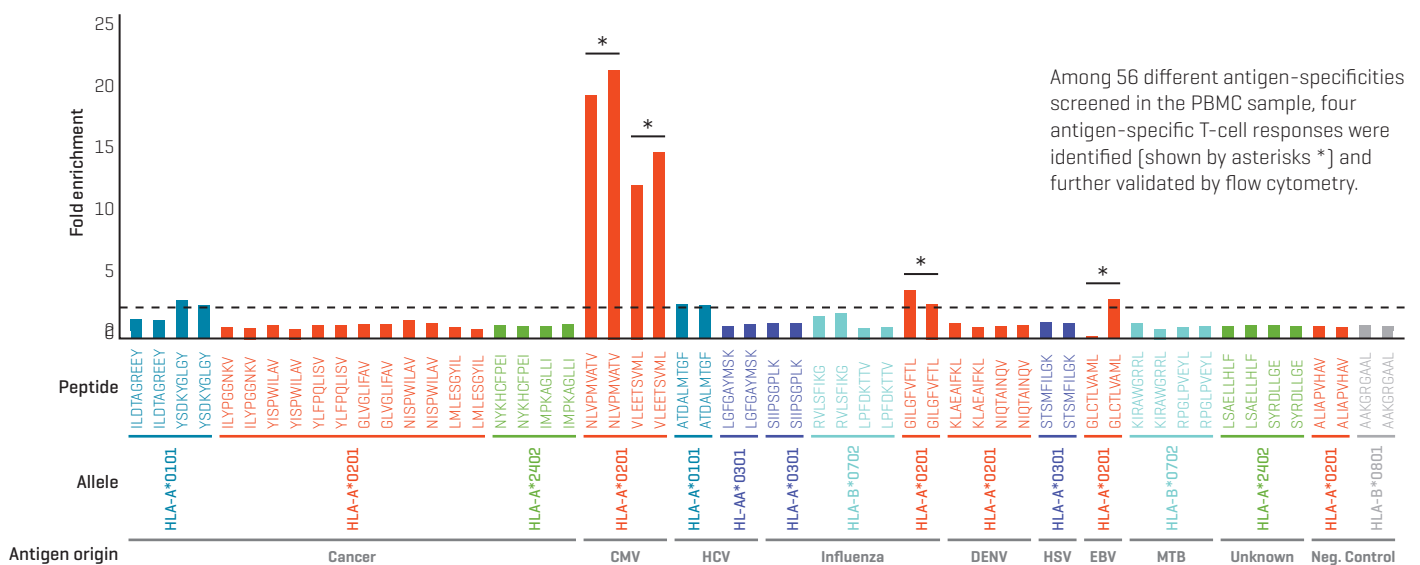
dCODE Dextramer® [HiT] reagents are designed for multiplexing, allowing the identification of many different T-cell specificities in the same sample. Ensure the efficient detection of T-cell populations using next-generation sequencing (NGS).

## dCODE Dextramer® [HiT] for Epitope Discovery and Neo-antigens screening

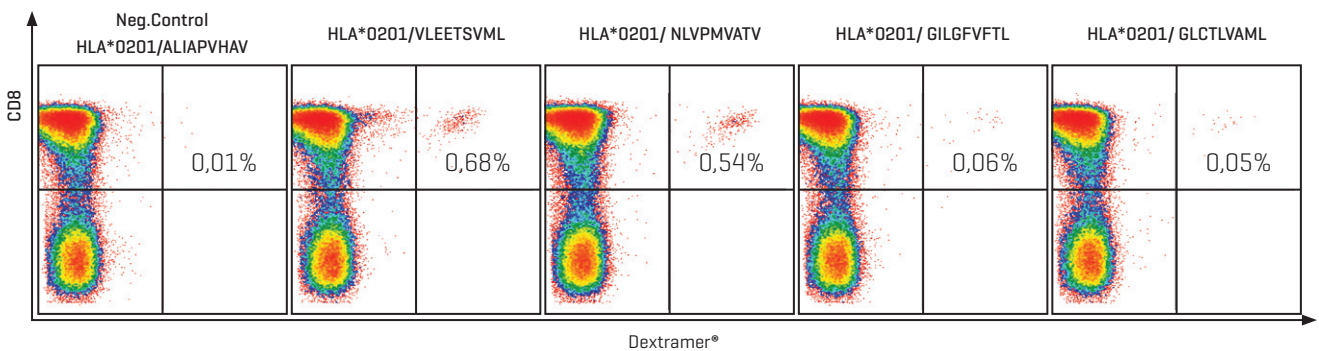
### Rapid and Selective Large-scale Detection of Antigen-specific T cells in Just a Few and Easy Steps

In this example, a panel of 56 different dCODE Dextramer® [HiT] reagents was used to screen disease antigens within a PBMC sample, in a two-step experiment.

#### 1. Identification of Antigen-specific T-cell Populations



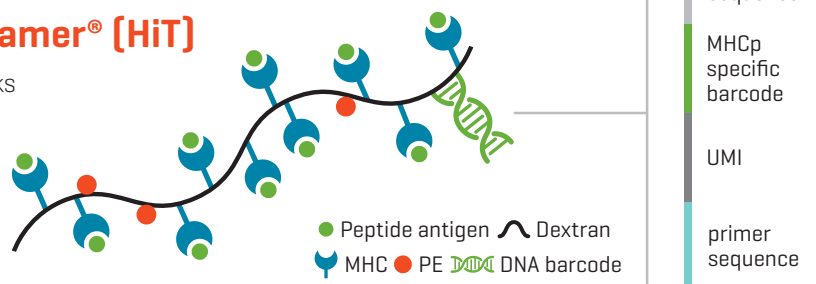
#### 2. Validation of Identified Antigen-specificities by Flow Cytometry



Flow cytometry confirmed the hits identified by NGS, as proved by the presence of positive signal.

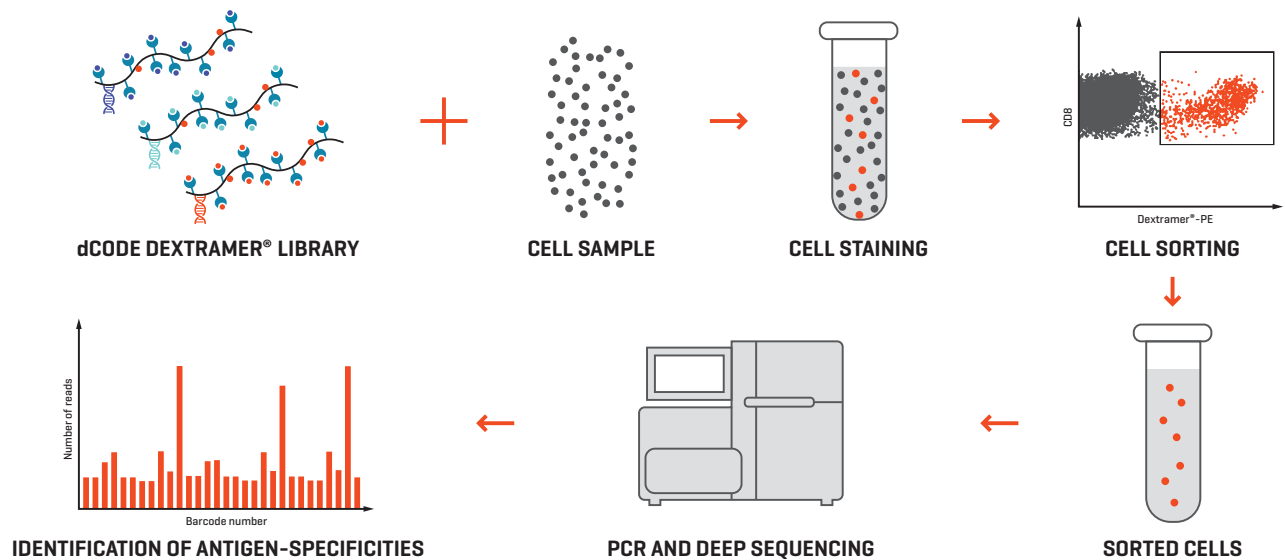
## Key Features of dCODE Dextramer® [HiT]

- 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



## dCODE Dextramer® (HiT) Experimental Workflow

Easy and rapid workflow to detect several antigen-specific T cells in the same sample, using a large panel of different dCODE Dextramer® (HiT).

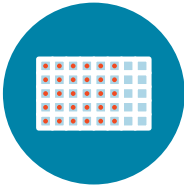


### dCODE Dextramer® (HiT) Products

- MHC I dCODE Dextramer® (HiT) for the detection of CD8+ antigen-specific T cells.
- MHC II dCODE Dextramer® (HiT) for the detection of CD4+ antigen-specific T cells.
- dCODE® Klickmer to create personalized dCODE Dextramer® (HiT) by loading your choice of biotinylated molecules [for B-cell research and much more].

## 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 validated 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 validated by a quality control

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