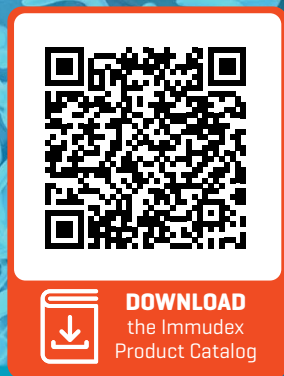
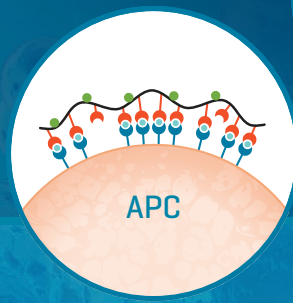
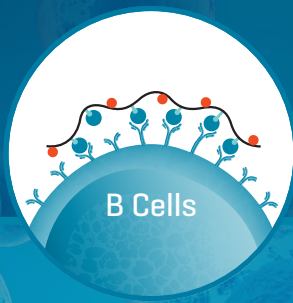
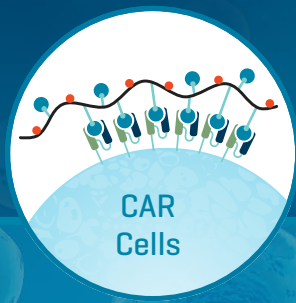
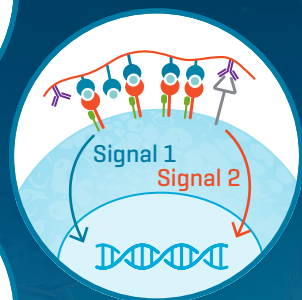
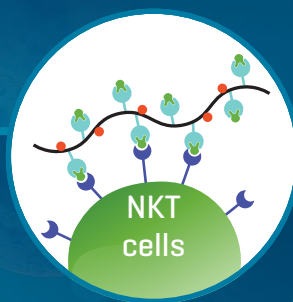
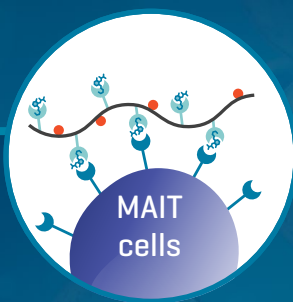
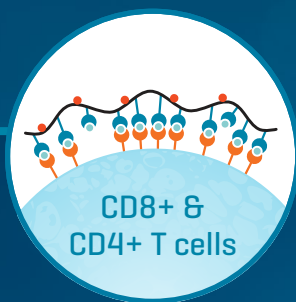


Investigate T, B and other Antigen-Specific Immune Cells



Immudex Products At a Glance

CD8⁺ and CD4⁺ T Cells

Ready-To-Use

MHC I and MHC II Dextramer[®]



GMP available

- Flow cytometry
- Detect and isolate antigen-specific T cells
- TCR validation
- In situ* staining
- Custom alleles and specificities

dCODE Dextramer[®]



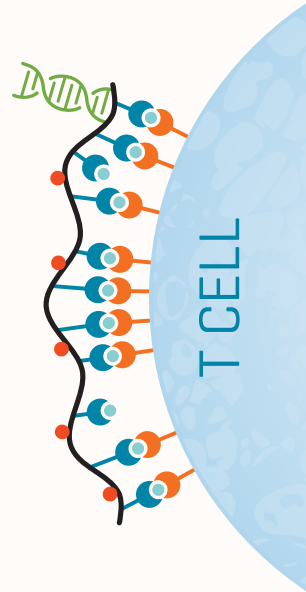
- Gold standard barcoded MHC multimers
- Antigen-specific T cell NGS/single-cell multi-omics
- Epitope discovery and neo-antigen screening
- TCR discovery and validation
- Specificity profiling

Ready-to-Use MHC Monomers



GMP available

- MHC I and II monomers
- TCR characterization and cross-reactivity screening
- Assess TCR:pMHC binding strength
- Development of TCR-like antibodies
- MHC multimer assembly



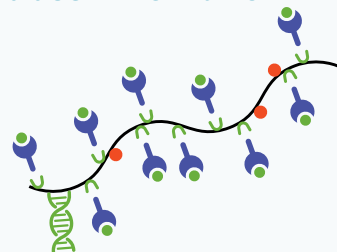
Loadable Solutions

U-Load Dextramer[®]



- Detect antigen-specific CD8⁺ and CD4⁺ T cells
- Loadable Dextramer[®] technology
- Flow cytometry

U-Load dCODE Dextramer[®]



- Antigen-specific T-cell monitoring with the power of multiplexing
- Loadable dCODE Dextramer[®] technology
- Epitope discovery and neo-antigen screening
- TCR discovery
- NGS/single-cell multi-omics (10x, RiO, HiT)

Peptide-Receptive MHC Monomers



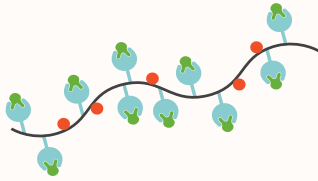
- easYmers[®] MHC I and U-Load[®] MHC II monomers
- MHC multimer assembly
- Assess pMHC binding affinity



Non-Conventional T Cells

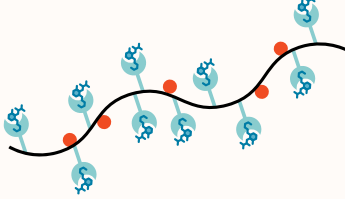
Ready-To-Use

CD1d Dextramer®



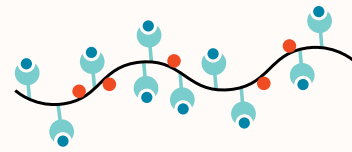
- Detect CD1d-restricted Natural Killer T cells
- Flow cytometry
- *In situ* staining
- NGS/single-cell multi-omics [CD1d dCODE Dextramer®]

MR1 Dextramer®



- Detect MAIT cells
- Flow cytometry
- *In situ* staining
- NGS/single-cell multi-omics [MR1 dCODE Dextramer®]

HLA-E and HLA-G Dextramer®



- Detect antigen-specific NK and T cells
- Flow cytometry
- *In situ* staining
- NGS/single-cell multi-omics [HLA-E and HLA-G dCODE Dextramer®]

CD1d Monomers



- Flexible investigation of iNKT cells

MR1 Monomers



- Flexible investigation of MAIT cells

HLA-E and HLA-G Monomers

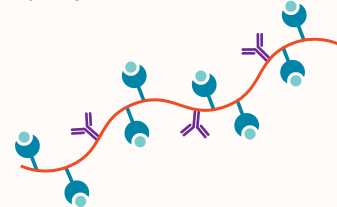


- Flexible investigation of NK cells

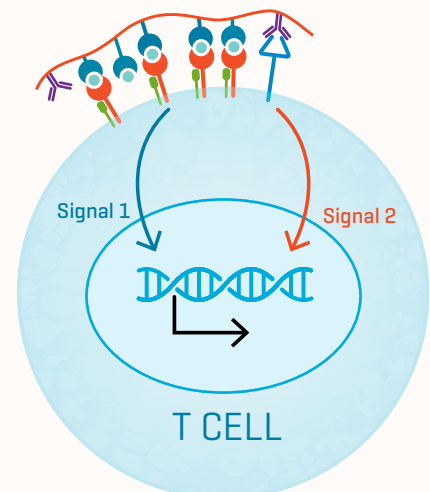
Activation of Antigen-Specific T Cells

Ready-To-Use

Xynapse™-T

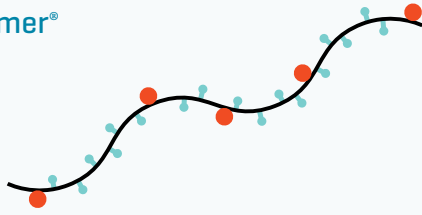


- Activate antigen-specific T cells
- Substitute for APCs in antigen challenge assays
- Selective expansion of antigen-specific T cells
- Results in cytokine secretion and activation biomarker expression
- MHC I and II, CD1d and MR1 alleles [human]



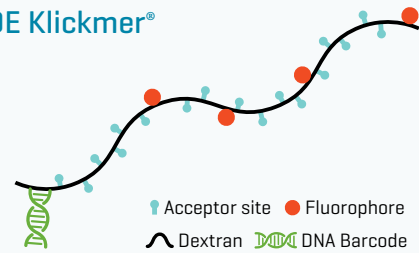
B Cells

Klickmer®



- Detect antigen-specific B-cells and more
- Build high-avidity multimers
- Attach your biotinylated molecule of choice
- Efficient protein-ligand interaction
- Flow cytometry

dCODE Klickmer®



- Antigen-specific B-cell monitoring with the power of multiplexing
- Loadable dCODE Klickmer® technology
- BCR sequencing
- Antibody discovery
- NGS/single-cell multi-omics [10x, RiO, HiT]



Antigen-Presenting Cells

TCR Dextramer®

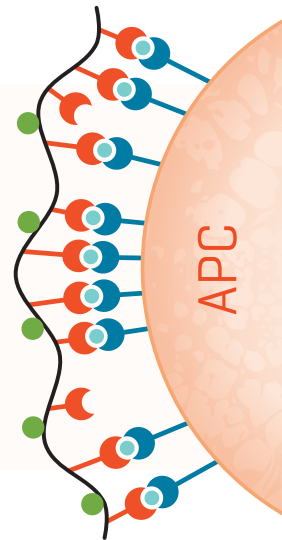


- Detect antigen-presenting cells
- Validate and characterize TCRs
- Quality control of cancer vaccines
- Flow cytometry

Soluble TCR Monomers

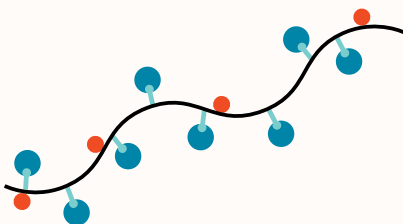


- Assess TCR:pMHC binding strength
- TCR cross-reactivity screening



CAR Cells

CAR Dextramer®



- Direct CAR detection
- Functional evaluation of antigen recognition/binding
- Determine % of CAR positive cells
- Flow cytometry
- Custom CAR Dextramer® reagents to match your target antigen

