# Investigate T, B and other Antigen-Specific Immune Cells

CD8+ & CD4+ T cells

MAIT cells

NKT cells

CAR-T Cells

B Cells

APC
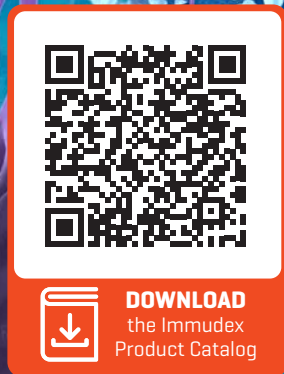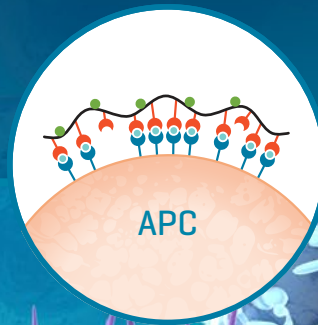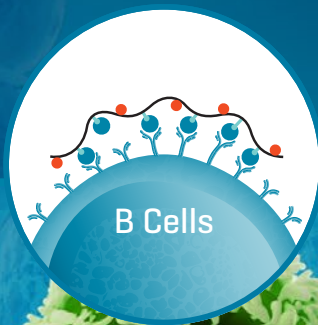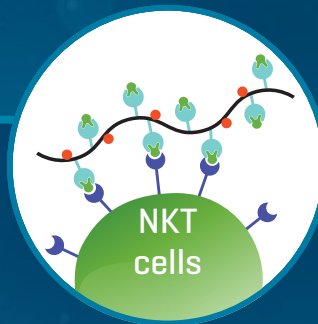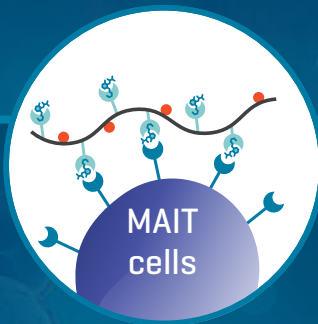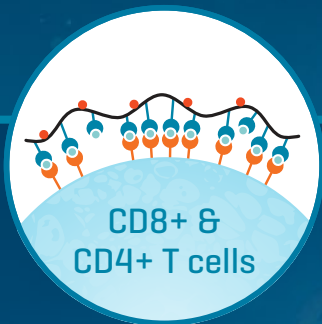
# Immudex Products At a Glance

## CD8⁺ and CD4⁺ T Cells

### MHC I and MHC II Dextramer®
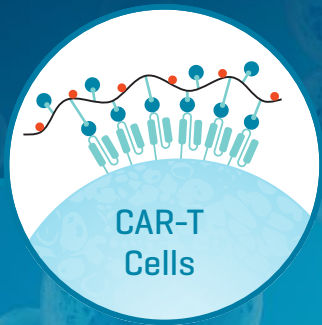
**GMP available**

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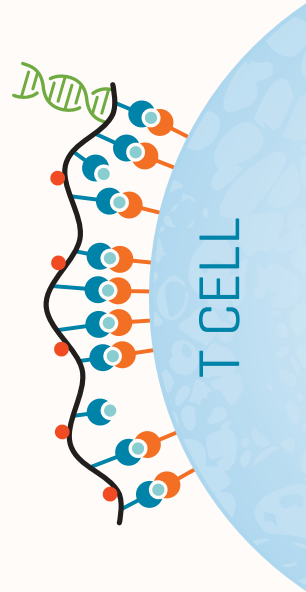- *In situ* staining

### 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
- T-cell stimulation
- TCR characterization and cross-reactivity screening
- Assess TCR:pMHC binding strength
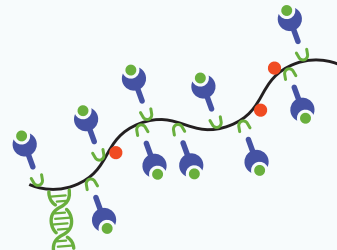- Development of TCR-like antibodies
- MHC multimer assembly

T CELL

### 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
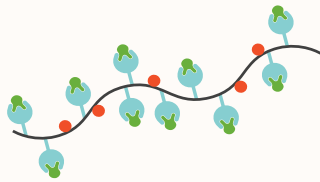- Assess pMHC binding affinity

**Don't find what you're looking for?**

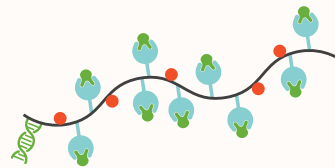*Ask us about Custom Solutions and Services*

# Non-Conventional T Cells

### CD1d Dextramer®



- Detect CD1d-restricted Natural Killer T cells
- Flow cytometry
- *In situ* staining

### CD1d dCODE Dextramer®



- NKT cell monitoring with the power of multiplexing
- NGS/single-cell multi-omics [10x, RiO, HiT]

### CD1d Monomers



- iNKT cell stimulation and enrichment

### MR1 Dextramer®



- Detect MAIT cells
- Flow cytometry
- *In situ* staining

### MR1 dCODE Dextramer®



- MAIT cell monitoring with the power of multiplexing
- NGS/single-cell multi-omics [10x, RiO, HiT]

### MR1 Monomers



- MAIT cell stimulation and enrichment

### HLA-E and HLA-G Dextramer®



- Detect antigen-specific NK and T cells
- Flow cytometry
- *In situ* staining

### HLA-E and HLA-G dCODE Dextramer®



- NK cell monitoring with the power of multiplexing
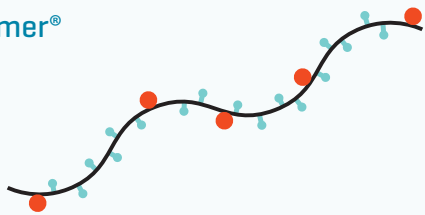- NGS/single-cell multi-omics [10x, RiO, HiT]

### HLA-E and HLA-G Monomers



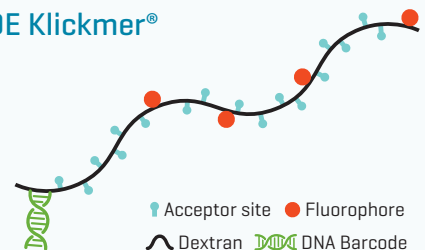- NK cell stimulation and enrichment

# B Cells

**Loadable Solutions**

### 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)

Acceptor site  ● Fluorophore
Dextran  DNA Barcode

B CELL

# Antigen-Presenting Cells

**Ready-To-Use**

### TCR Dextramer®

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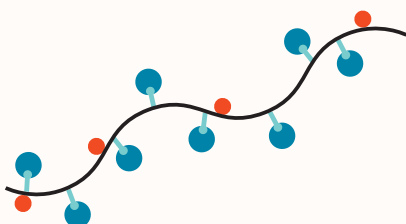- *In situ* staining

### Soluble TCR Monomers

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

APC

# CAR-T Cells

**Ready-To-Use**

### Dextramer® for CAR-T Detection

- Direct CAR detection
- Determine % of CAR positive cells
- Flow cytometry
- Single-cell multi-omics
- Custom CAR-T Detection for your target of choice

CAR-T