# dCODE Dextramer® (10x compatible)



# dCODE Dextramer® (10x compatible) - Gold dCODE Dextramer® (10x compatible) - Explore

For research use only. Not for use in diagnostic procedures.

#### Specificity and use

For detection of antigen-specific T cells in cell samples using unique DNA Barcode identifiers, compatible with 10x Genomics Feature Barcoding Technology.

# Description

dCODE Dextramer® reagents comprise a dextran polymer backbone carrying multiple MHC-peptide complexes and a corresponding unique DNA Barcode.

The Unique DNA Barcode comprises:

- Primer sequence compatible with Illumina<sup>®</sup> Sequencers (Nextera pR2)
- Unique molecule identifier (UMI)
- ID sequence (barcode) that specify the MHC-peptide specificity
- Capture sequence for 10x Chromium single cell immune profiling solution

#### Outline of DNA Barcode structure:

5' -Nextera pR2 - - UMI - - ID - - UMI - - Capture seq - 3'
5' CGEach acode Dextramer also taines Riphycoerythin (PE) that can be used for sorting AAA 3'

dCODE™ Dextramer® reagents are provided in liquid form in PBS buffer containing 1% bovine serum albumin (BSA) and 15 mM NaN₃, pH 7.2.

Concentration of reagent: 16 x10<sup>-8</sup> M.

2 µl reagent equal 1 test and is enough to stain 1-10 x 10<sup>6</sup> PBMCs.

# Storage

Store in the dark at 2-8°C.

# **Precautions**

- 1. The device is not intended for clinical use including diagnosis, prognosis, and monitoring of a disease state, and must not be used in conjunction with patient records or treatment.
- 2. This product contains sodium azide ( $NaN_3$ ), a chemical highly toxic in pure form. At product concentrations, though not classified as hazardous, sodium azide may react with lead and copper plumbing to form highly explosive build-ups of metal azide. Upon disposal, flush with large volumes of water to prevent metal azide build-up in plumbing.
- 3. As with any product derived from biological sources, proper handling procedures should be used.

# **Patents**

The dCODE® technology is disclosed in granted and pending patents within the WO 2015/185067 and WO 2015/188839 patent families including US11402373, EP3152232, AU2015271324, AU2019264685, SG11201610177U and JP6956632.

Symbols See <u>www.immudex.com/symbols</u>

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