

Products	dCODE Dextramer® (10x), Cat. No. WBxxxxxdXG / FBxxxxxdXG CD1d dCODE Dextramer® (10x), Cat. No. XDxxxxDXG / YDxxxxDXG MR1 dCODE Dextramer® (10x), Cat. No. ZAxxxxDXG / ZBxxxxDXG HLA-G dCODE Dextramer® (10x), Cat. No. USxxxxxdXG Collectively denominated dCODE® (10x) reagents.
Recommended use	Single-cell multi-omics analysis of antigen-specific T, NKT, MAIT, or NK cells in cell samples, using the 10x Chromium Single Cell Gene Expression Platform. For research use only. Not for use in diagnostic or therapeutic procedures.
Description	dCODE® (10x) reagents consist of a dextran polymer backbone carrying multiple MHC, CD1d, MR1, or HLA-G-antigen complexes, and R-phycoerythrin (PE) for sorting of dCODE® (10x) positive cells before loading the sample on the 10x Chromium platform. In addition, each dCODE Dextramer® has a DNA oligonucleotide attached with a DNA barcode sequence that defines the monomeric MHC-antigen complexes on the Dextramer®.
DNA Barcode oligo	<ul style="list-style-type: none">▪ Primer sequence compatible with Illumina® Sequencers (Nextera pR2)▪ Unique molecule identifier (UMI)▪ ID sequence (barcode) that specifies the monomeric MHC-antigen complex of the dCODE Dextramer®, which is compatible with the Feature Barcodes of BioLegend® TotalSeq™-C antibodies.▪ Capture sequence compatible with 10x Genomics Single Cell 5' Chip Kits for single cell partitioning on a 10x Chromium instrument.
	<p>5' -Nextera Read2 - - UMI - - ID - - UMI - - Capture seq - 3'</p> <p>CGGAGATGTGTATAAGAGACAGNNNNNNNNNNXXXXXXXXXXXXXXXXNNNNNNNNNNCCCATATAAGAAA 3'</p>
	<p>Critical: Our DNA barcodes are not unique to a given dCODE Dextramer® specificity but are assigned randomly during production. It is crucial, during planning of an experiment involving multiple dCODE Dextramer® products, to ascertain that their barcode sequences are different.</p>
Recommended Protocols	See "dCODE Dextramer® (10x Compatible) Staining Protocol", (immudex.com/resources/protocols).
Reagents provided	dCODE® (10x) reagents are provided at a concentration of 160 nM in PBS, containing 1% bovine serum albumin (BSA) and 15 mM NaN ₃ , pH 7.2.

Sizes	dCODE® (10x) reagents - Gold: Single reagents of 25 tests (50 µL), 50 tests (100 µL), or 150 tests (300 µL) each.
Vials	The reagent is provided in a brown plastic vial with screw cap
Storage	dCODE® (10x) reagents should be stored at 2-8°C in the dark – the plastic vial only partially protects the reagents against light.
Expected Shelf-life	See immudex.com/FAQs .
Precautions	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 azides. Upon disposal, flush with large volumes of water to prevent metal azide build-up in plumbing.
Patents	The dCODE® technology is disclosed in granted and pending patents within the WO 2015/185067 and WO 2015/188839 patent families including US11402373, US11585806, US11668705, EP3155426, EP3628684, HK40026921, AU2015271324, AU2019264685, AU2021204496, CA2951325, SG11201610177, JP6956632 and JP7271465.
SDS	Immudex's products and components are classified as non-hazardous and therefore a Safety Data Sheet (SDS) is not required – please read our Non-hazard Classification Statement at https://immudex.com/resources/safety-documentation/ .
Symbols	See www.immudex.com/symbols .
Technical Support	E-mail: customer@immudex.com . Telephone: +45 3110 9292 (Denmark), +1 (215) 931-9627 (US).
Manufacturer	Immudex, Bredevej 2A, DK-2830 Virum, Denmark.