dCODE Dextramer® (RiO)
Peptide Pool, Neg. Control

Product

[MHC allele] / Peptide pool, Neg. Control / [fluorochrome] / [Barcode] [size]
Cat. No. WxxxxxxDRG

dCODE Dextramer® (RiO) Peptide pool Neg. Control reagents consist of a dextran polymer backbone carrying multiple negative control peptide-MHC monomers, and R-phycoerythrin (PE) for sorting of dCODE® (RiO) positive cells before using the BD Rhapsody™ Single-Cell Analysis System.
The peptide-MHC monomers are produced with peptide pools of enormous diversity allowing each MHC monomer to display a different peptide. Each Peptide pool Negative Control dCODE Dextramer® molecule is composed of a unique set of peptide-MHC monomers.

In addition, each dCODE Dextramer® has a DNA oligonucleotide attached comprising:

- BD Rhapsody™ compatible PCR handle sequences for library preparation and PCR amplification
- A Unique Molecule Identifier (UMI) sequence
- A DNA Barcode sequence that defines the monomeric MHC-antigen complex of the Dextramer® and which is compatible with BD® AbSeq Assay.
- A poly A sequence that is captured by a complimentary poly T sequence of the BD Rhapsody™ bead.

Recommended use

dCODE Dextramer® (RiO) Peptide Pool Neg. Control reagents are recommended for use as negative controls in dCODE Dextramer® single cell experiments using the BD Rhapsody™ Single-Cell analysis System.

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

Recommended protocols

See "dCODE Dextramer® (RiO) Staining Protocol (Package Insert)" (immudex.com/resources/protocols).

Reagents provided

dCODE Dextramer® (RiO) reagents are provided in PBS buffer, containing 1% bovine serum albumin (BSA) and 15 mM NaN_3, pH 7.2.

Sizes

Single reagents of 25 tests (50 µL), 50 tests (100 µL), or 150 tests (300 µL) each.

Concentration

160 nM

Vials

The product is provided in a 2.0 mL plastic vial with screw caps.

Storage	dCODE Dextramer® (RiO) 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.
Quality Control	Production of dCODE Dextramer® includes multiple in-process quality control checks (see immudex.com/resources/quality).
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. As with any product derived from biological sources, proper handling procedures should be used. For professional users.
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, HK1236546 B, AU2015271324, AU2019264685, AU2021204496, CA2951325, SG11201610177U, 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 immudex.com/resources/safety-documentation.
Symbols	See immudex.com/symbols.
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