

## Immudex partners with 10x Genomics to further enhance applications of its dCODE™ DNA Barcode Technology.

Immudex is proud to announce its partnership with 10x Genomics leveraging the benefits of Immudex' dCODE™ Dextramer® reagents together with the 10x Chromium Single Cell Immune Profiling Solution.

The technology allows interpretation of antigen-binding specificity in parallel with the transcriptome readouts at single cell resolution, enabling researchers to link full-length, paired TCR alpha and beta chain sequences and transcriptional profiles to the identity of the target antigens in the same cells with high specificity and sensitivity.

The DNA barcode of dCODE™ Dextramer® reagents enables detection of disease-specific T cells by PCR followed by next generation sequencing. Used in large libraries, dCODE Dextramer® analysis allows high-throughput screening for hundreds to thousands disease-specific T cells in a small blood sample. This new technology provides a not previously seen efficiency in profiling disease-specific T cells emerging e.g. during cancer or immunotherapeutic treatment.

“By combining our proprietary DNA barcode Dextramer® technology with 10x Genomics Chromium System and Solutions, we now have the ability to directly interrogate the TCR of the antigen-specific T Cells via MHC-peptide binding along with simultaneous analysis of expressed genes and cell surface phenotype for an entire sample at the single cell level, which has not been possible with existing technologies,” says Liselotte Brix, chief scientific officer of Immudex.

This is the first example of the use of dCODE™ Dextramer reagents within a commercially available single cell analysis systems enabling direct information of structural TCR specificity, cell surface phenotype, and gene expression in the single cell.

### [About Immudex.](#)

Based in Copenhagen, Denmark, with North American operations in Fairfax, Virginia, Immudex manufactures MHC Dextramer® for the detection of antigen-specific T cells. Immudex' MHC Dextramer® products are utilized for the quantification or sorting of antigen-specific T cells in life science research, in vitro diagnostics, as well as the development of immunotherapeutics and vaccines. The CE and FDA 510(k) cleared Dextramer® CMV Kit is approved for in vitro diagnostic use for the quantification of CMV-specific T cells. GMP manufactured reagents are available.

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