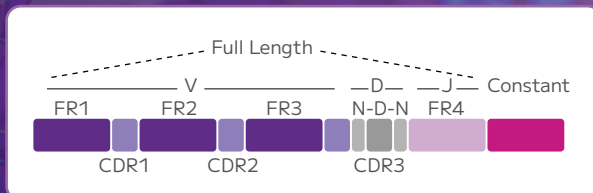


Evercode BCR

B Cell Receptor + Whole Transcriptome

Single Cell BCR Profiling at Scale

B cell receptors (BCRs) are formed through recombination of variable (V), diversity (D), and joining (J) segments along with random nucleotide insertions, generating the vast antibody repertoire underlying adaptive immunity. Evercode™ BCR is a fixation-based single cell assay that captures full-length, paired heavy and light chain BCR sequences together with whole transcriptomes—delivering unmatched scale, sensitivity, and flexibility for a complete view of B cell biology for research spanning basic science to preclinical applications.



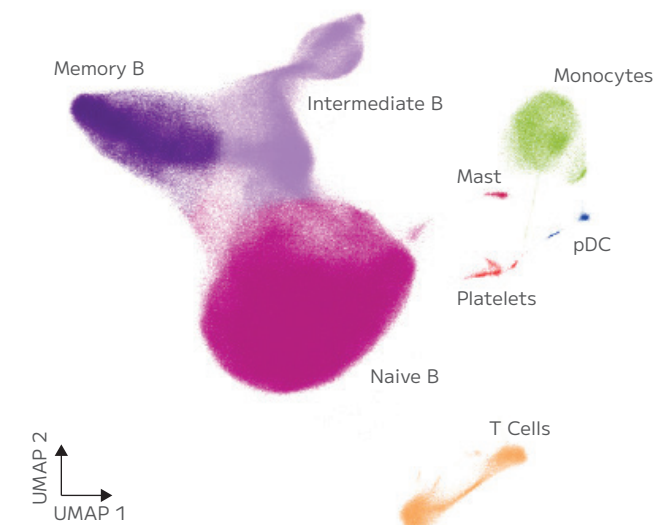
BCR Diversity Meets Cell Identity

Precise Paired-Chain Resolution

Instrument-Free, Fixation Powered Workflow

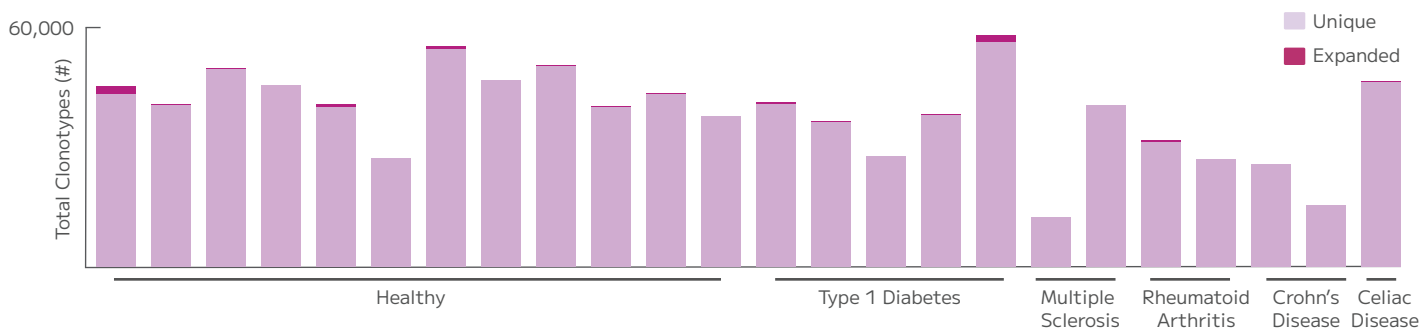
Sensitive Clonotype Detection

1 Experiment. 24 Donors. >900,000 Unique Clonotypes.

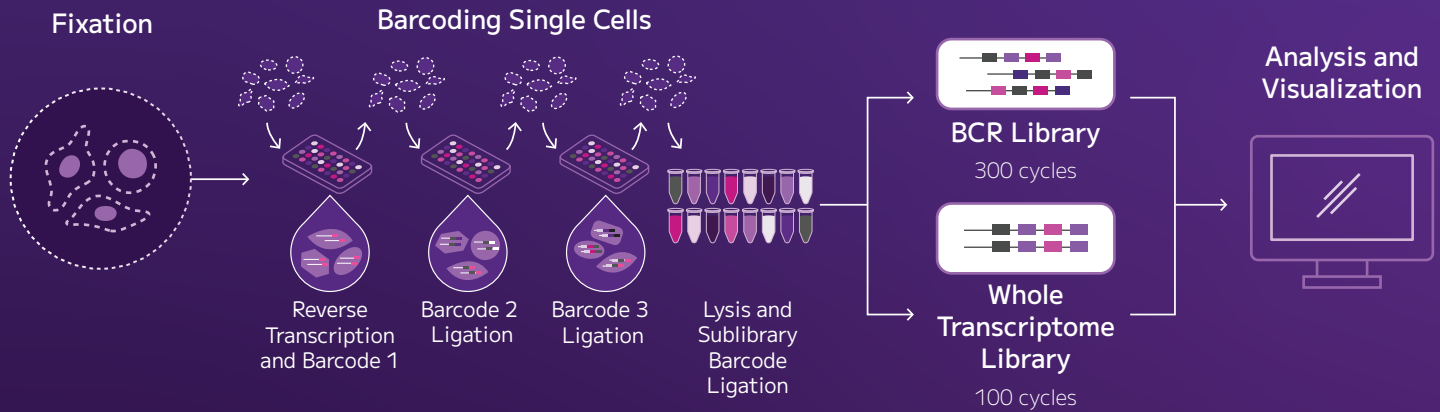


Using Evercode BCR Mega, 1.3 million B cells from 12 healthy and 12 individuals with the autoimmune disorders Type 1 Diabetes, Multiple Sclerosis, Rheumatoid Arthritis, Crohn's Disease, or Celiac Disease were profiled in a single experiment. Comprehensive whole transcriptome profiles revealed the full diversity of B cell populations across the lineage (left).

Clonotype analysis identified >900,000 paired clonotypes with exact shared CDR3 sequence on heavy and light chain. Across all samples, >95% of clonotypes were unique (<2 instances), underscoring the vast diversity of the human BCR repertoire (below).



Instrument-free, fixation-powered workflow

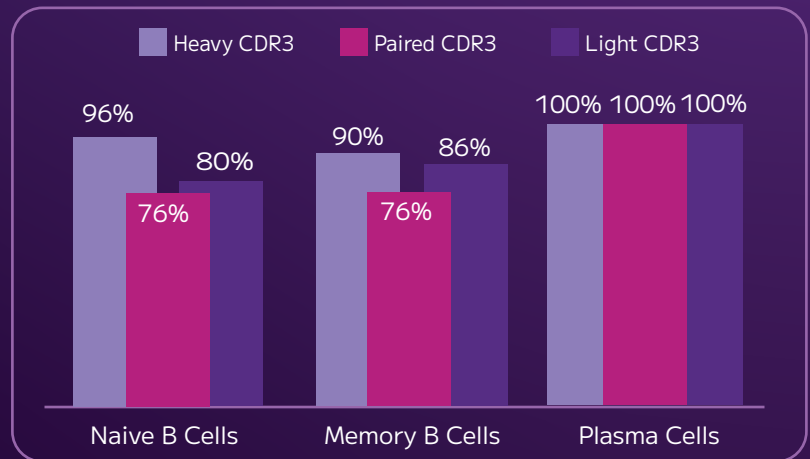


High-confidence BCR Pairing, Even in Rare Cells

"Exceptional, high-quality paired BCR repertoire data at scale."

Artem Mikelov, PhD
Dr. Scott Boyd Lab, Stanford University

In data shared by the Boyd Lab at Stanford University, Evercode BCR achieved high pairing in B cells isolated from fresh human splenocytes. Greater than 75% heavy-light chain pairing was observed in 82,000 B cells from across the lineage, including 100% pairing in rare plasma cells.



Flexible configurations to match your study scale
in human, mouse, or humanized transgenic mouse samples

EVERCODE BCR

10K-100K cells,
1-48 samples

EVERCODE BCR MEGA

100K-1M cells,
1-96 samples



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

Evercode BCR Product Sheet - Version 1.0
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