# TotalSeq™ Antibody Cocktails 抗體混合物

**BioLegend®**

近年來高通量檢測技術蓬勃發展，2023 年免疫大會上更看到 CITE-seq 分析技術已成為必備分析項目！

CITE-seq 技術可以在單細胞上，通過測序的方法將基因表達與細胞表面蛋白資訊聯合起來，達到同時檢測細胞表面的蛋白質與細胞內轉錄組資訊的目的！

這項技術相較於只有轉錄組測序而言，額外的加入了細胞表面蛋白表達的資訊，聯同細胞內的轉錄組資訊，更深入的區分細胞異質性，更精確地挖掘特異性的細胞類型，探索治療耐藥性等生物學現象背後的機制。

*SCAN FOR MORE*

## 【使用 TotalSeq™ Antibody Cocktails 實現一次性觀察上百種蛋白表現的可能】

BioLegend 為增加實驗的效率，推出 BioLegend TotalSeq™ Antibody Cocktails 抗體混合物，適用於各大單細胞分析平台，簡化單細胞多組學實驗流程，將免疫細胞特性進行前所未有的深度分析！

## TotalSeq™ Antibody Cocktails 優點

單管包裝
方便實用

預滴定找出
最佳濃度

減少繁瑣的
操作步驟

降低單支抗體高成本，
增加性價比

降低外在因素
造成的誤差

## TotalSeq-A Universal Cocktails v1.0
Human 399907 | Mouse 199901

- 與使用 poly(dT) oligonucleotides 單細胞分析系統兼容
- Human cocktail 含有 154支抗體 + 9 支 isotype control
- Mouse cocktail 含有 119支抗體 + 9支 isotype control

## TotalSeq-B Universal Cocktails v1.0
Human 399904 | Mouse 199902

- 與 10x Genomics Chromium Single Cell Gene Expression Kits with Feature Barcode technology (dual index) 系統兼容
- Human cocktail 含有 134支抗體 + 6 支 isotype control
- Mouse cocktail 含有 97支抗體 + 7支 isotype control
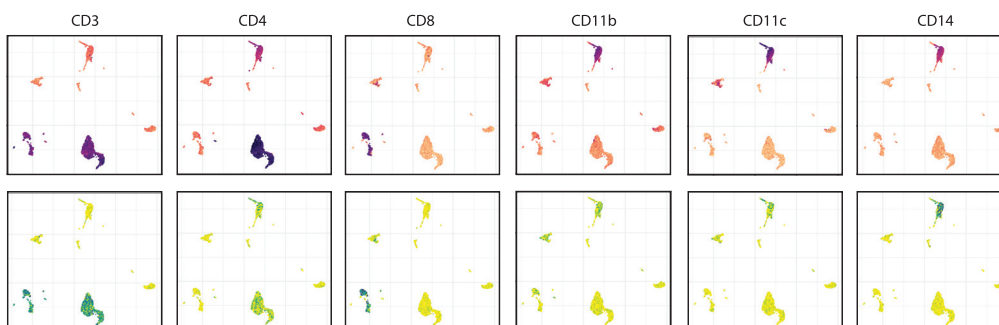
## TotalSeq-C Universal Cocktails v1.0
Human 399905 | Mouse 199903

- 與 10x Genomics Single Cell Immune Profiling Solution 系統兼容
- Human cocktail 含有 130支抗體 + 7 支 isotype control
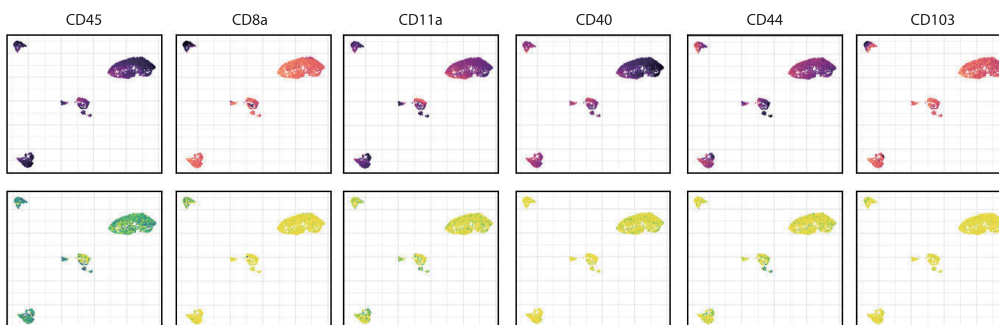- Mouse cocktail 含有 113支抗體 + 9支 isotype control

### Human Data



Human PBMCs were stained with the TotalSeq-C Human Universal Cocktail v1.0 and processed using the 10x Genomics Single Cell Immune Profiling Solution (5') and Illumina sequencing. Protein and RNA count data were transformed and visualized in a UMAP projection overlaid with protein and RNA expression levels. Clusters were identified based on protein expression only.
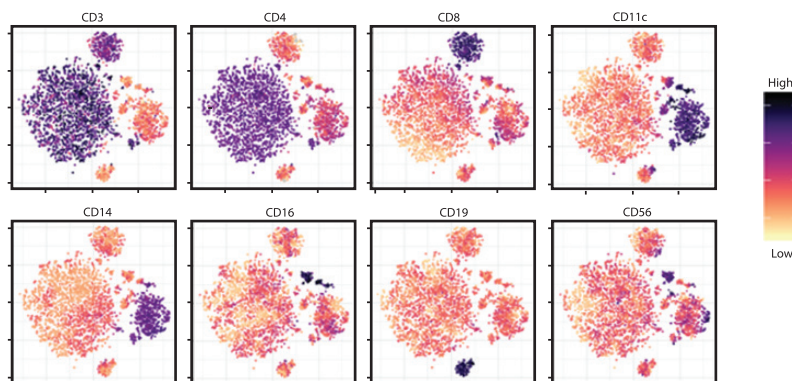
### Mouse Data



Resting mouse splenocytes were stained with the TotalSeq-B Mouse Universal Cocktail v1.0 and processed using the 10x Genomics Single Cell 3' v3.1 featuring barcode kit and Illumina sequencing. Protein and RNA count data were transformed and visualized in a UMAP projection overlaid with protein and RNA expression levels. Clusters were identified based on protein expression only.

# TotalSeq™ TBNK Panel

分析主要的免疫細胞亞型 — **T cell、B cell、NK cell**

使用 **CD3、CD4、CD8、CD11c、CD14、CD16、CD19、CD45、CD56** 在細胞上的表現區分不同的免疫細胞亞型。

※每種抗體使用人類 PBMC 優化條件，若使用裂解的全血或添加其他 TotalSeq™ 抗體則實驗條件需另優化測試



TotalSeq™-A TBNK Cocktail
貨號: 399901

TotalSeq™-B TBNK Cocktail
貨號: 399902

TotalSeq™-C TBNK Cocktail
貨號: 399903

Human PBMCs were stained with the TotalSeq-B Human TBNK Cocktail and processed using the 10x Genomics Single Cell 3' v3 feature barcoding kit and Illumina sequencing. Protein count data were transformed and visualized in a UMAP projection overlaid with protein expression levels for each component of the cocktail. Clusters were identified based on protein expression only.