

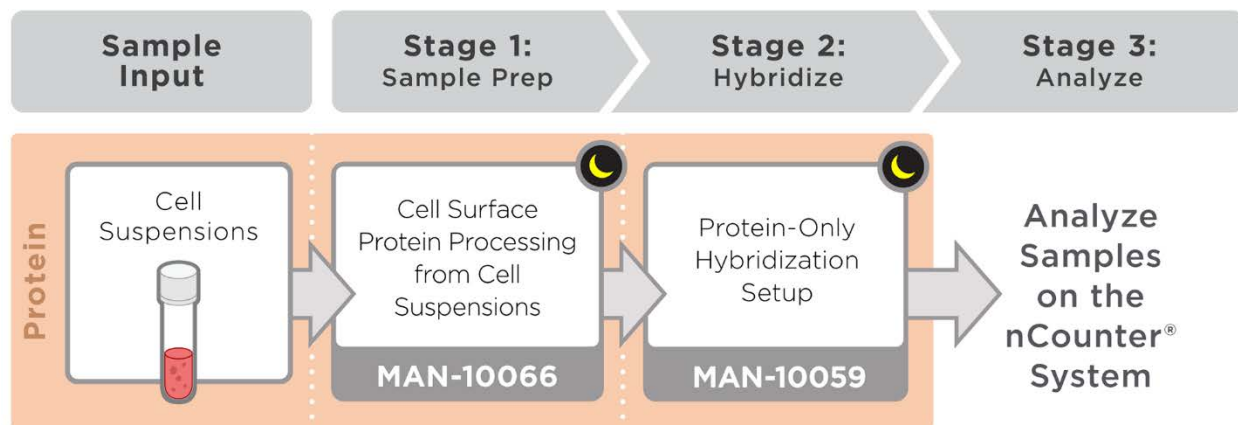
## Vantage 3D Protein Immune Cell Profiling Assay for Cell Suspensions with Cell Surface-Compatible Universal Cell Capture Kit

The nCounter® Vantage 3D Protein Immune Cell Profiling Assay for cell suspensions simplifies protein expression analysis with curated content for 30 cell surface protein targets. This highly multiplexed assay is capable of characterizing protein from as few as 50,000 cells with integrated data analysis.

The core nCounter technology uses unique molecular barcodes to detect nucleic acids of increasing variety. Protein detection in the Vantage 3D Protein Immune Cell Profiling Assay utilizes antibodies specific to proteins of interest that have been barcoded with unique synthetic DNA oligonucleotides. Each DNA oligonucleotide is then recognized by a unique Reporter probe that contains a fluorescent barcode. Barcodes are imaged and counted by the nCounter Analysis System to provide a direct, digital readout of protein expression from minimal sample.

Learn more about [3D Biology™ Technology](#).

### Product Workflow



#### Legend

- Overnight Processing Required
- Reference Manual Number

**Figure 1.** Workflow for the Vantage 3D Protein Immune Cell Profiling Assay for cell suspensions with Cell Surface-Compatible Universal Cell Capture Kit.

## Materials and Supporting Documents

**Table 1.** Materials provided in the Vantage 3D Protein Immune Cell Profiling Assay for Cell Suspensions with Universal Cell Capture Kit

Kit	Reagents	Storage
Vantage 3D Protein Immune Cell Profiling Assay for Cell Suspensions (D) + Universal Cell Capture Kit Catalog #: VPODC-B2M-HIPS-12	Protein	
	Protein TagSet	-80°C
	Antibody Mix	-80°C
	Universal Cell Capture Kit	
	Universal Cell Capture Beads	4°C (2–8)°C ( <b>Do not freeze</b> )
	Buffer W	4°C (2–8)°C
	Buffer LH	Room temperature (15–25)°C

**NOTE:** Please reference the manuals listed in Figure 1 and Table 2 for additional required reagents not supplied by NanoString.

**Table 2.** Supporting Documents

Step	Manual	Protocol
Protein Preparation	MAN-10066	Cell Surface Protein Processing with Universal Cell Capture Kit, Cell Surface Compatible
Hybridization	MAN-10059	Protein-Only Hybridization Setup

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