# nanoString

## **GeoMx® Protein Barcoding Kits**

#### Spatially Profile Custom Protein Targets for nCounter Readout

Expand your discovery further with high-plex GeoMx® Protein Assays with the GeoMx Protein Barcoding Kit. Now researchers can increase their plex with up to 5 additional antibodies of interest. The GeoMx Protein Barcoding Kit is offered for nCounter® readout for GeoMx Protein Assays. With an easy workflow and minimal hands-on time, researchers can quickly conjugate antibodies to detect protein targets for any research project.



## **Product Highlights**

- Conjugate up to 5 antibodies of interest
- Requires 100 µg of antibody
- Less than three hours of hands-on time and less than one day total workflow
- Includes Amicon<sup>®</sup> Ultra-Filter Units and other required reagents
- For use with GeoMx Protein Assays for nCounter readout
- Each kit includes one conjugation positive control

## GeoMx Custom Protein Workflow

As part of the overall Custom Protein Workflow, the GeoMx Protein Barcoding Kit enables researchers to barcode antibodies of interest with a GeoMx DSP barcode in a single day with minimal hands-on time. Once antibodies have been barcoded, researchers can continue with their Custom Protein Workflow for any further appropriate functional testing.



conjugation.

#### **Conjugation and Functional Performance Comparable to GeoMx Protein Assays**

The GeoMx Protein Barcoding kit uses a conjugation method that yields antibodies have similar functional performance to the same antibodies developed for commercial GeoMx Protein Assays (Figure 1). Additionally, the purification process in the GeoMx Protein Barcoding Kit uses a workflow that provides purified, barcoded antibodies that are ready to use for downstream assays (Figure 2). For more information for using custom, conjugated antibodies, visit <u>nanostring.com/geomx-protein-assays</u>.



**FIGURE 1**: Functional performance comparison of antibodies developed for commercially available, validated GeoMx Protein Assays to antibodies conjugated with the GeoMx Protein Barcoding Kit.



FIGURE 2: The GeoMx Protein Barcoding Kit provides all necessary reagents to yield barcoded antibodies (A) free of excess, unconjugated oligonucleotides (B) or unconjugated antibody (C) as shown in this HPLC trace of an antibody before (top trace) and after (bottom trace) conjugation using the Protein Barcoding Kit.

## **Ordering Information**

Product	Product Description	Quantity	Catalog Number
GeoMx Protein Barcoding Kit for nCounter	One kit which includes five DNA indexing-oligonucleotides with a UV-photocleavable linker, one conjugation control oligonucleotide, Probe R_8, Buffer A, Buffer B, Buffer C, Amicon® Ultra-0.5 Centrifugal Filter Units and spin tubes. Must be run with a protein core for nCounter readout.	1 Kit	GMX-PBK-NCT-5AB

### For more information, please visit nanostring.com/GeoMxDSP

NanoString Technologies, Inc. 530 Fairview Avenue North Seattle, Washington 98109

nanostring.com info@nanostring.com Sales Contacts United States us.sales@nanostring.com EMEA: europe.sales@nanostring.com

Asia Pacific & Japan apac.sales@nanostring.com Other Regions info@nanostring.com

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T (888) 358-6266

F (206) 378-6288

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