

# Vizgen MERSCOPE™ Protein Co-Detection

Explore new dimensions through spatial context with MERSCOPE

vizgen

## MERSCOPE: Enabling True Multiomic Spatial Measurements

Multiomic spatial measurements that combine transcript and protein detection, with analyte location are critical in understanding cell interactions, signaling, and overall tissue behavior. Vizgen's MERSCOPE™ Protein Stain Reagent Kits enable true multiomic measurements by co-detecting proteins and transcripts in a single MERFISH experiment.

## Co-Detect Transcripts and Proteins in a Single Experiment

### MERSCOPE Protein Stain Reagent Kits

Kits that provide all the necessary reagents to co-detect up to 5 proteins within a single MERFISH experiment.

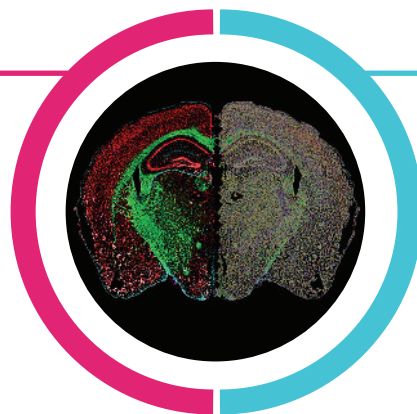


## Multiomic Measurements

### High Quality Protein Co-Detection

Oligo conjugated antibodies enable high quality detection of primary antibodies targeting proteins

Protein staining equivalent to protein immunofluorescence staining



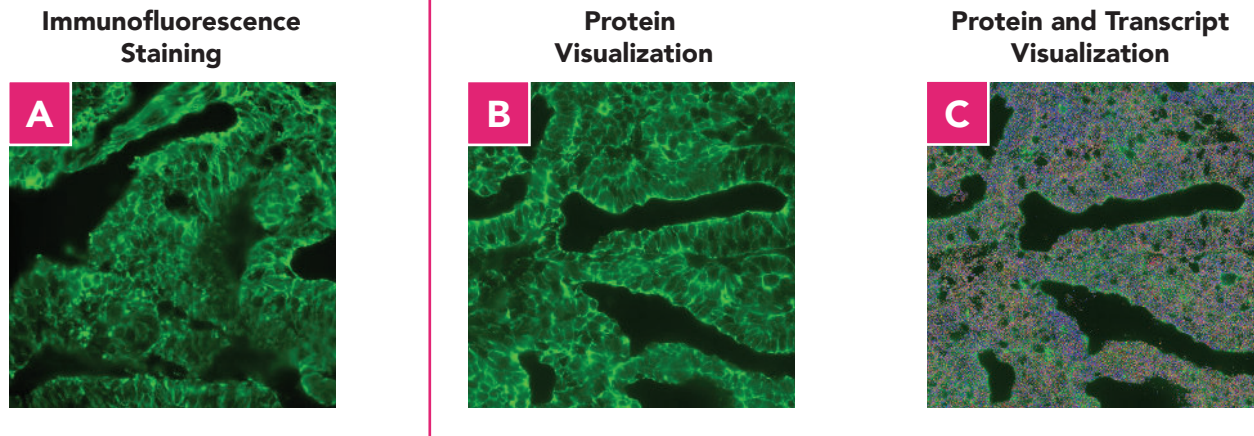
### High Quality Transcript Detection

MERFISH technology provides multiplexed, error robust, transcript detection

High correlation with bulk RNA-seq data for high, medium, and low expressing genes

See the MERSCOPE co-detection data and product offering

# High Quality Protein Transcript Co-detection



**Figure 1:** **A.** Immunofluorescence staining of cytokeratin proteins in fresh frozen human uterus cancer tissue with mouse pan-Cytokeratin antibody. **B. C.** MERSCOPE co-detection of transcripts from a panel of 244 genes and cytokeratin proteins using MERSCOPE protein stain kit and pan-cytokeratin antibody in fresh frozen human uterus cancer tissue. **B.** Visualization of detected proteins. **C.** Visualization of detected proteins and transcripts.

## MERSCOPE PROTEIN STAIN REAGENTS

Product Category	Name
MERSCOPE Protein Stain Kits	MERSCOPE Anti-Mouse Protein Stain Kit
	MERSCOPE Anti-Rabbit Protein Stain Kit
	MERSCOPE Anti-Goat Protein Stain Kit
	MERSCOPE Anti-Rat Protein Stain Kit
	MERSCOPE Anti-Human Protein Stain Kit
	MERSCOPE Anti-Chicken Protein Stain Kit
MERSCOPE Protein Stain Verification Kits	MERSCOPE Protein Verification Kit (Mouse, Rabbit, Goat)
	MERSCOPE Protein Verification Kit (Rat, Human, Chicken)



Request a quote for  
**MERSCOPE** and our Protein  
 Stain Reagent Kit today

