# MUC1

## Epithelial cancers; secretory epithelium

### Antibody Information

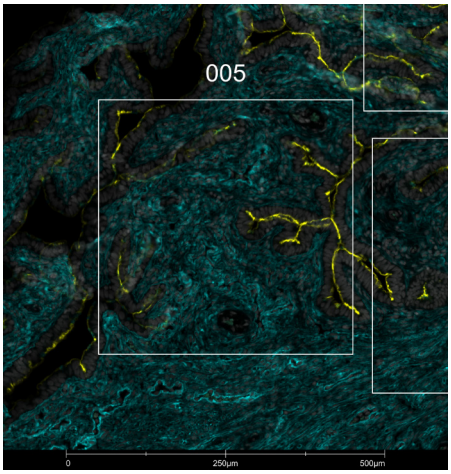
| | |
|---|---|
| Clone ID | 139H2 |
| Fluorophore | AF647 |
| Antibody Concentration | 1 µg/mL |
| Mono or Polyclonal | Mono |
| Host & Isotype | Mouse IgG1 Kappa |
| Lot Tested | 4582-5PABX210519-091021-af647 |

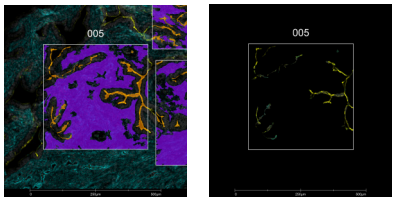
### Immunofluorescent Screening Information

| | |
|---|---|
| Tissue Type | FFPE Human kidney, fallopian tube, breast |
| Section Thickness | 5 µm |
| HIER | 10 min 100˚C |
| Proteinase K Concentration | 1 µg/mL |
| Fixation/Embedding | FFPE |

### Vendor Information

| | |
|---|---|
| Vendor | Novus |
| Catalog Number/Web Link | NBP2-47888AF647 |




MUC1 (yellow) localizes to the luminal epithelium in human fallopian tube (left image). The expression pattern of the MUC1+ luminal epithelium can be isolated from the COL6+ extracellular matrix (cyan) through GeoMx segmentation (right image).

### Legend

MUC1: yellow COL6: cyan
SYTO13: grey
Segmentation for MUC1: orange
Segmentation for COL6: purple

### Stained Image Data

| | |
|---|---|
| Exposure Time | 200 ms |
| Signal-to-Noise | 38.1 |
| ROI Type | Geometric or Segmented |

* Recommendations above are meant to act as a starting point for your own experimental optimization

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

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