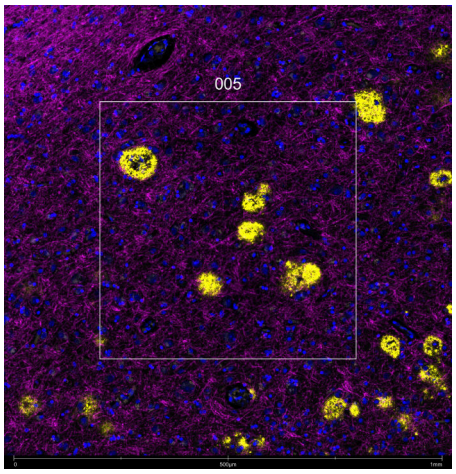
# MBP

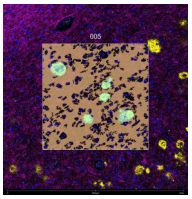
## Myelin Basic Protein, all neurons

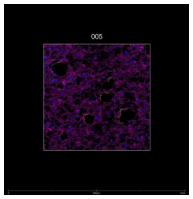
| Antibody Information | |
|---|---|
| Clone ID | D8X4Q |
| Fluorophore | AF647 |
| Antibody Concentration | 0.5 µg/mL |
| Mono or Polyclonal | Mono |
| Host & Isotype | Rabbit IgG |
| Lot Tested | 1 |

| Immunofluorescent Screening Information | |
|---|---|
| Tissue Type | FFPE Human Alzheimer's diseased brain |
| Section Thickness | 5 µm |
| HIER | 10 min 100˚C |
| Proteinase K Concentration | 1 µg/mL |
| Fixation/Embedding | FFPE |

| Vendor Information | |
|---|---|
| Vendor | Cell Signaling Technology |
| Catalog Number/Web Link | 30103S |





MBP (magenta) localizes to neurons in a human Alzheimer's diseased brain (left image). The expression pattern of these MBP+ neurons can be isolated from APP+ β amyloid plaques (yellow) through GeoMx segmentation (right image).

## Legend

MBP: magenta
β amyloid: yellow
SYTO83: blue
Segmentation for MBP: orange
Segmentation for β amyloid: blue

| Stained Image Data | |
|---|---|
| Exposure Time | 300 ms |
| Signal-to-Noise | 13.5 |
| 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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