



# IMC Cell Segmentation Kit

## Information Sheet

### Therapeutic Insights Services: TIS-00001

**Package contents:** Each box contains 3 vials. The reagents are provided in individual tubes, not a pre-mixed cocktail. See tables for individual kit contents. The 3 metal-labeled antibodies are designed to be used in combination with the recommended analysis pipeline.

**Reactivity:** FFPE Human/Mouse

**Formulation:** Antibody stabilizer with 0.05% sodium azide

**Storage:** Store at 2–8 °C. Do not freeze.

**Volume:** 20 µL

**Application:** Imaging Mass Cytometry™

### Description

The IMC™ Cell Segmentation Kit\* facilitates an end-to-end workflow for single-cell data analytics. The kit contains three individual plasma membrane markers conjugated to 195Pt, 196Pt, and 198Pt. These markers can be added to existing panels for improved nucleus and plasma membrane demarcation, enabling cell segmentation across multiple tissue types without taking channels away from your current panel.

### Kit Contents

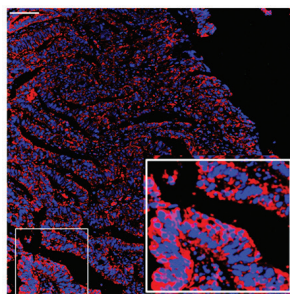
IMC™ Cell Segmentation Kit	Metal Tag
ICSK1	195Pt
ICSK2	196Pt
ICSK3	198Pt

### Applicable Protocols

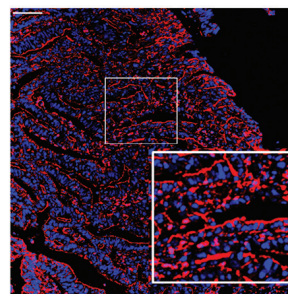
Before using this product, refer to the instructions in the Imaging Mass Cytometry Staining Protocol for FFPE Sections (PN 400322). The recommended dilution is 1:100. We recommend titrating the antibodies for optimal performance for each of the desired tissue applications.

### Images

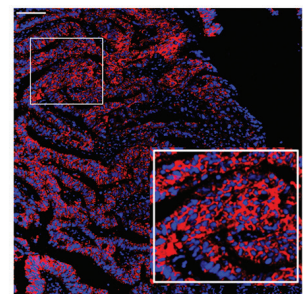
Human FFPE colon adenocarcinoma stained with IMC Cell Segmentation Kit. Regions of interest are 1,000 µm x 1,000 µm. Scale bar is 100 µm.



ICSK1-195Pt (red) DNA (blue)



ICSK2-196Pt (red) DNA (blue)



ICSK3-198Pt (red) DNA (blue)

\*This solution is available as a Therapeutic Insights Innovative Solution and is not part of the Maxpar® catalog.

For a quote contact your local sales rep or visit [fluidigm.com/innovate](http://fluidigm.com/innovate).

For technical questions contact your Field Applications Specialist or email [tis@fluidigm.com](mailto:tis@fluidigm.com).

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