Maxpar Human Immuno-Oncology IMC Panel Kits

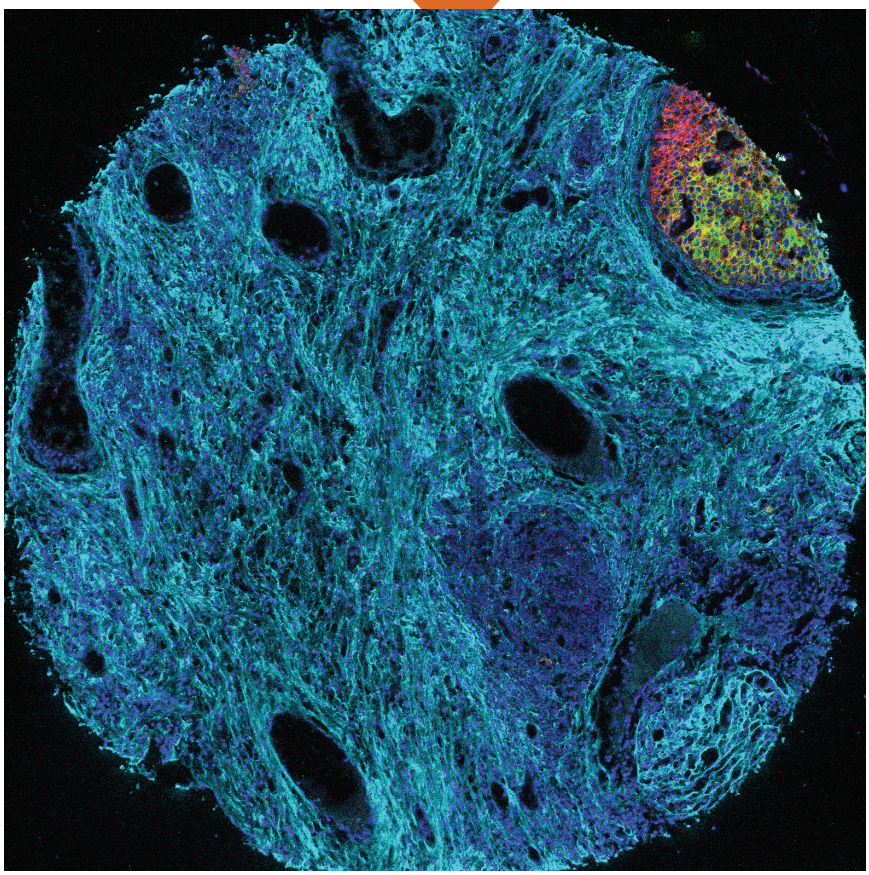
Pathologist-verified

FLUIDIGM®

Three IO panel kits deliver out-of-the-box success

Maxpar® IO panel kits coupled with highly multiplexed Imaging Mass Cytometry™ (IMC™) enable researchers to deeply profile immune infiltrates across a range of human cancer types and treatment modalities. The advantage? You can broadly profile activated tumor-infiltrating lymphocytes in the spatial context of the tumor architecture, all from a single scan.

To provide researchers with a richer, more insightful understanding of cancer-related processes in the tumor microenvironment, three IO panels are now available:



Expanding the Imaging Mass Cytometry Toolkit

Highly multiplexed image of human breast cancer created from a single scan using the combination of the three new IO panel kits in the 18-plex Maxpar Human Immuno-Oncology IMC Panel Kit, showing pan-keratin (lime), E-cadherin (red), collagen 1 (cyan), DNA2 (blue).

Maxpar Human Tumor-Infiltrating Lymphocytes IMC Panel Kit	Maxpar Human Immune Activation IMC Panel Kit	Maxpar Human Tissue Architecture IMC Panel Kit

Rapidly profile immune infiltrates with IO panel kits

Customize any panel by mixing and matching panel kits or by adding your choice of individual Maxpar antibodies to support specific translational and clinical research studies.

Maxpar Human Tumor-Infiltrating Lymphocytes IMC Panel Kit	Maxpar Human Immune Activation IMC Panel Kit	Maxpar Human Tissue Architecture IMC Panel Kit
CD3	Granzyme B	aSMA
CD4	Ki-67	Vimentin
CD8	PD-1	Collagen
CD20	PD-L1	Histone 3
CD68	Nucleic acid stain	E-cadherin
FoxP3		Nucleic acid stain
CD45RO		
Pan-keratin		
Nucleic acid stain		

Choose Maxpar IO panel kits to jump-start panel development in immuno-oncology

Each panel kit has been carefully curated to include a powerful mix of antibodies to deeply profile tumor-infiltrating lymphocytes, immune cell activation states or architecture.

Ready to go—Get to results faster with these optimized IO panel kits. They include metal-labeled, pathologist-verified antibodies (25 µg of each antibody) with an intercalator tube for nucleic acid staining to accelerate your panel development.

Modular—Mix and match these panel kits to answer different research questions. An IO combination panel kit is also available, offering a comprehensive, highly multiplexed profile that includes all the markers in the three new panel kits.

Expandable—The Maxpar IO panel kits can be expanded with a range of additional pathologist-verified antibodies from our catalog, allowing custom panel development to suit your specific research requirements.

Modular panels accelerate translational research

The Maxpar IO panel kits are modular and are labeled with a unique set of non-overlapping metal tags. This allows you to mix and match panel kits and add antibodies from our existing catalog or use your own antibodies after metal-conjugation with a Maxpar metal labeling kit.

The following images show immune populations and tissue structure in human breast cancer tissue, created from a single scan using the 18-plex Maxpar Human Immuno-Oncology IMC Panel Kit. Each image below displays selected biomarkers from the same scan. This demonstrates how multiplexed evaluations using these panel kits accelerate your ability to visualize immune and cancer cell relationships.

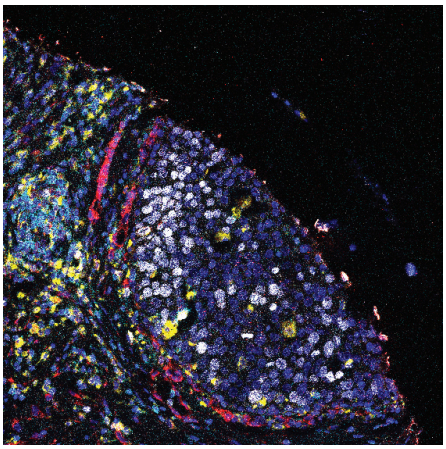


Figure 1. Human breast cancer tissue showing vimentin (red), CD45 (cyan), CD68 (yellow), Ki-67 (white), DNA2 (blue).

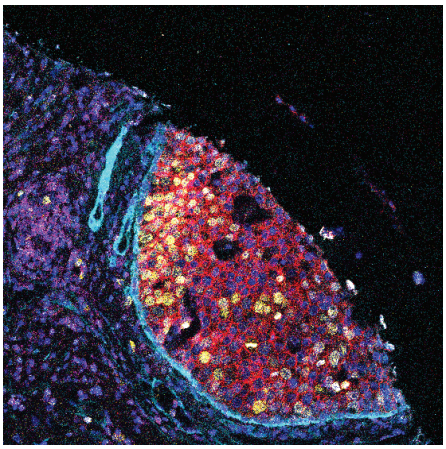


Figure 2. Human breast cancer tissue showing aSMA (cyan), CD45 (magenta), E-cadherin (red), Ki-67 (yellow), DNA2 (blue).

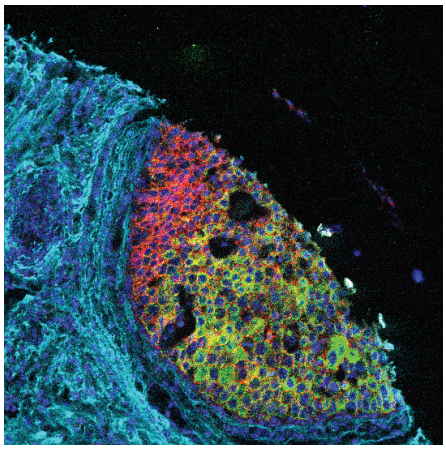


Figure 3. Human breast cancer tissue showing pan-keratin (lime), E-cadherin (red), collagen 1 (cyan), DNA2 (blue).

Ordering information

Product Name	Part Number
Maxpar® Human Tumor-Infiltrating Lymphocytes IMC™ Panel Kit	201502
Maxpar Human Immune Activation IMC Panel Kit	201503
Maxpar Human Tissue Architecture IMC Panel Kit	201504
Maxpar Human Immuno-Oncology IMC Panel Kit	201505

Learn more at **fluidigm.com/imc**

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