



# Modular Imaging Mass Cytometry Panels

Human panels

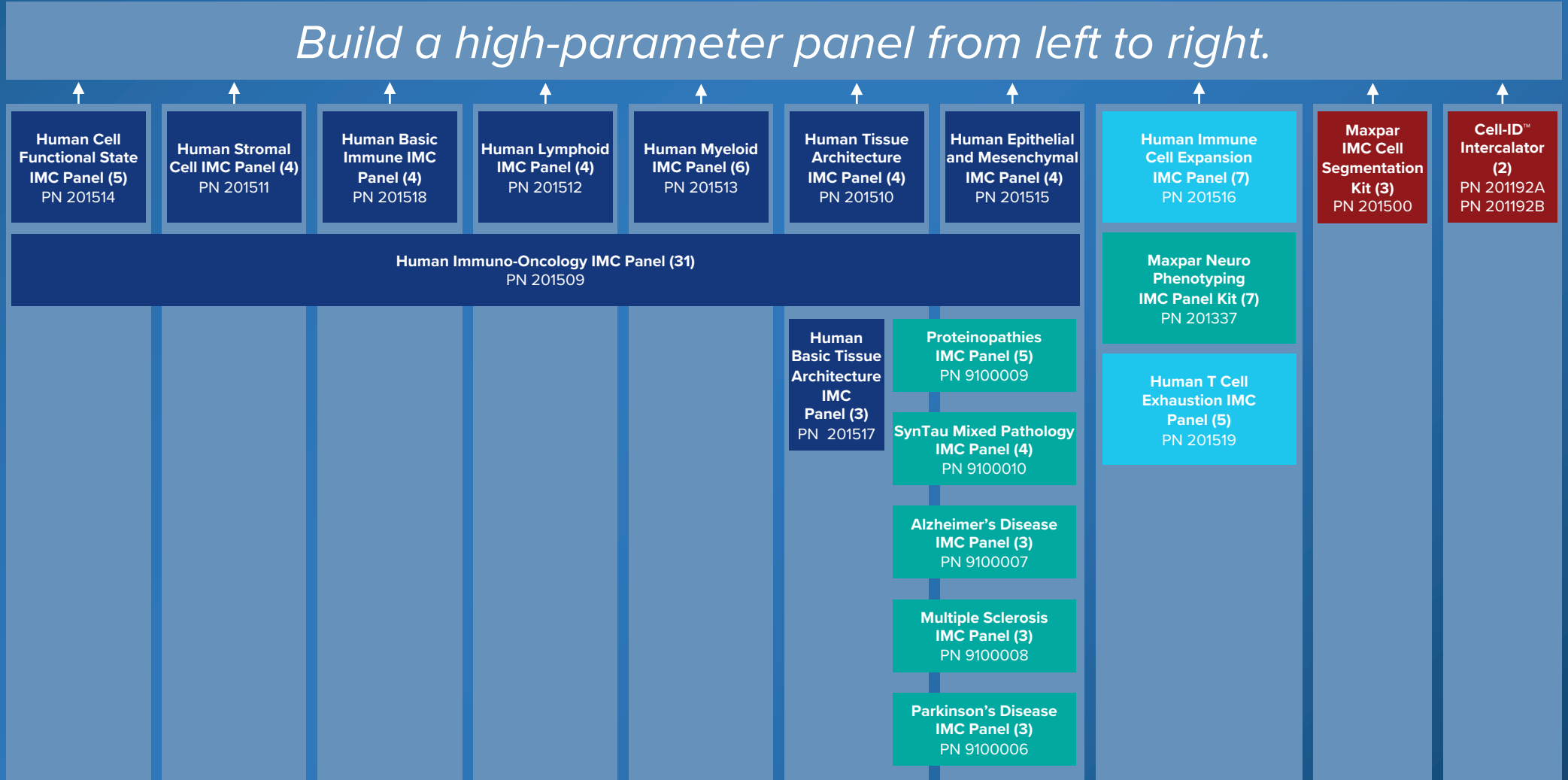


Fast and simple panel building is possible with our modular panels, designed to be compatible with one another. Use this guide to visualize how to build a high-parameter Imaging Mass Cytometry™ (IMC™) panel, with the option to add targets of interest as needed.

**How to check compatibility between panels**

- Panels that are horizontally adjacent are compatible.
- Panels that are vertically stacked or overlapped with one another are not compatible.

Create your panel directly in your browser with [Maxpar® Panel Designer v2.0.1](#).



- Legend**
- Immune profiling panels
  - Expansion panel
  - Neuroscience panels
  - Nuclei staining and cell segmentation

# Maxpar Mouse IMC Panels

Mouse  
panels



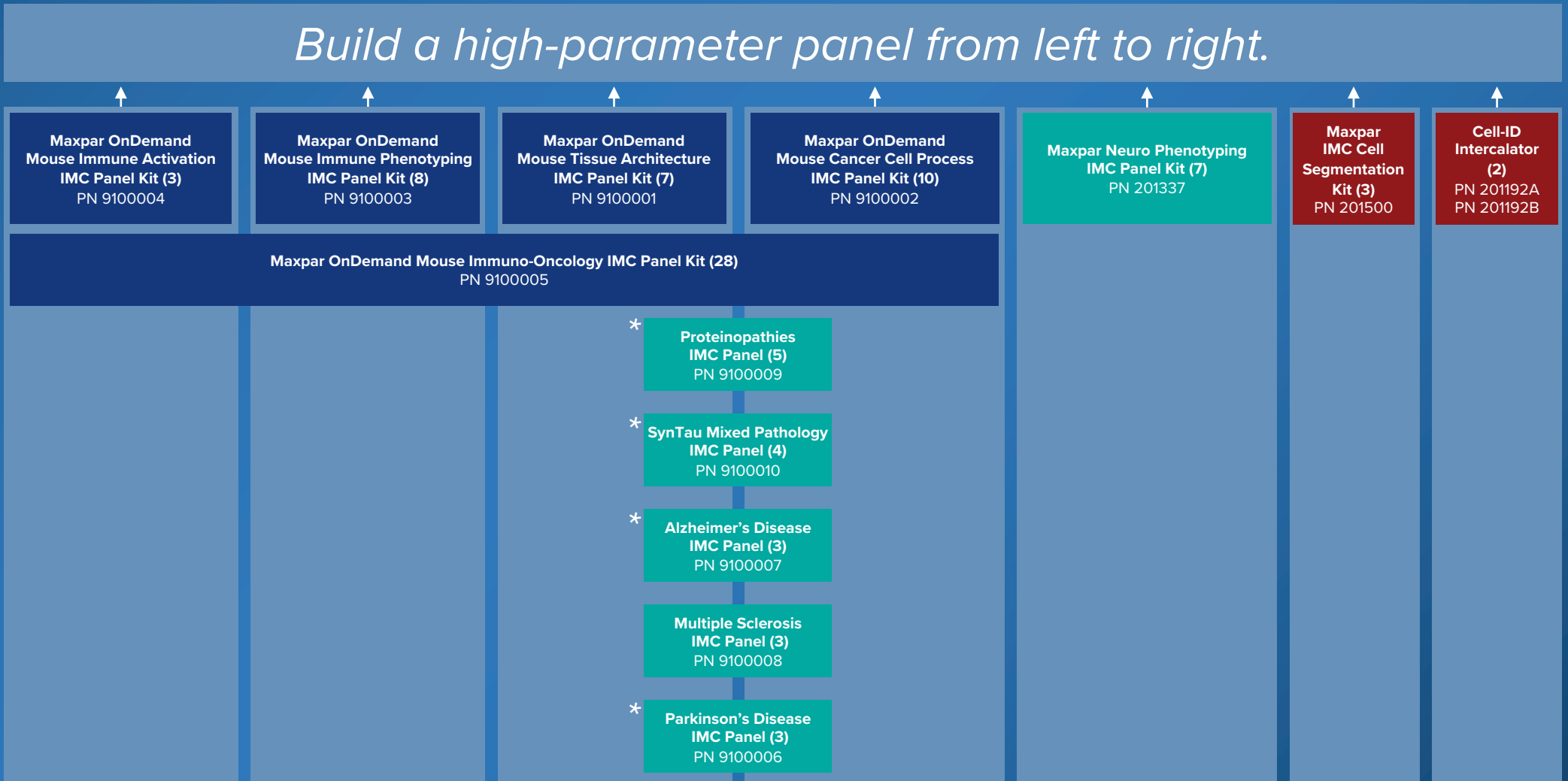
The Maxpar OnDemand™ Mouse Immuno-Oncology IMC Panel Kit enables evaluation of critical pathophysiological parameters of the mouse tumor microenvironment. The kit or its four modular subpanels can be combined with the Maxpar Neuro Phenotyping IMC Panel Kit to enable brain tumor classification and assessment of neuronal inflammation, activation and development.

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*Build a high-parameter panel from left to right.*



## Legend

- Immune profiling panels
- Neuroscience panels
- Nuclei staining and cell segmentation

\* Panel contains one or more antibodies that recognize human epitope(s) but can be applied to mouse models that exogenously express these targets.

# Examples of High-Parameter Panels

Application								Number of Markers	Application Note	
Immune cell infiltration in Alzheimer's disease	Human Basic Immune IMC Panel (4) PN 201518	Human Lymphoid IMC Panel (4) PN 201512	Human Myeloid IMC Panel (6) PN 201513	Human Basic Tissue Architecture IMC Panel (3) PN 201517	Alzheimer's Disease IMC Panel (3) PN 9100007	Maxpar Neuro Phenotyping IMC Panel Kit (7) PN 201337	Maxpar IMC Cell Segmentation Kit (3) PN 201500	Cell-ID Intercalator (2) PN 201192A PN 201192B	32	<a href="#">Exploring Neurodegenerative Diseases With Imaging Mass Cytometry</a>
Immune cell infiltration in neurodegenerative diseases with mixed pathologies (for example, Parkinson's disease with dementia, Lewy body dementia)	Human Basic Immune IMC Panel (4) PN 201518	Human Lymphoid IMC Panel (4) PN 201512	Human Myeloid IMC Panel (6) PN 201513	Human Basic Tissue Architecture IMC Panel (3) PN 201517	Proteinopathies IMC Panel (5) PN 9100009	Maxpar Neuro Phenotyping IMC Panel Kit (7) PN 201337	Maxpar IMC Cell Segmentation Kit (3) PN 201500	Cell-ID Intercalator (2) PN 201192A PN 201192B	34	
Human immuno-oncology	Human Immuno-Oncology IMC Panel (31) PN 201509					Human Immune Cell Expansion IMC Panel (7) PN 201516	Maxpar IMC Cell Segmentation Kit (3) PN 201500	Cell-ID Intercalator(2) PN 201192A PN 201192B	43	<a href="#">Reveal Heterogeneity of Tumors With Whole Slide Imaging</a>
Immuno-oncological processes within mouse brain tumor microenvironment	Maxpar OnDemand Mouse Immuno-Oncology IMC Panel Kit (28) PN 9100005					Maxpar Neuro Phenotyping IMC Panel Kit (7) PN 201337	Maxpar IMC Cell Segmentation Kit (3) PN 201500	Cell-ID Intercalator(2) PN 201192A PN 201192B	40	<a href="#">Unravel the Complexity of Mouse Brain Tumors</a>

View all modular panels:  
[standardbio.com/resources/panel-design](https://standardbio.com/resources/panel-design)

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