

# Maxpar Direct Expansion Panels

Deeper immune cell coverage with 6 new panels



For streamlined and standardized immune monitoring studies, start with the Maxpar® Direct Immune Profiling Assay™.

This dried-down and ready-to-stain 30-marker panel provides excellent immune cell coverage in human PBMC and whole blood, enabling analysis of 37 immune cell populations in a single tube.

For studies requiring more insight into specific immune cell populations or functional analysis, easily build on the Maxpar Direct backbone panel with 1 of 6 pre-made Expansion Panels.

## Expand the Maxpar Direct Immune Profiling Assay

Each Maxpar Direct Expansion Panel consists of a collection of pre-selected antibodies\* that fit open channels of the assay to enable deeper profiling of specific immune cell subsets.

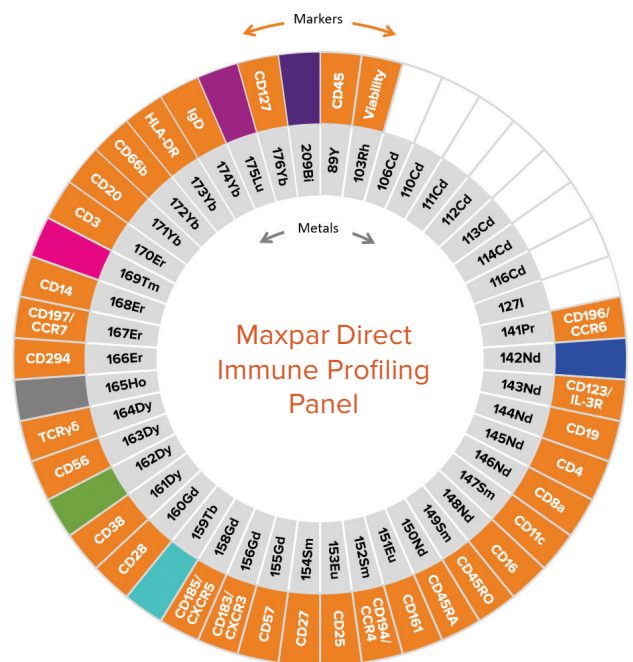


Figure 1a. The Maxpar Direct Immune Profiling Assay is made from a backbone panel of 30 antibody markers (orange slots) with 14 channels left open for additional antibodies.\*

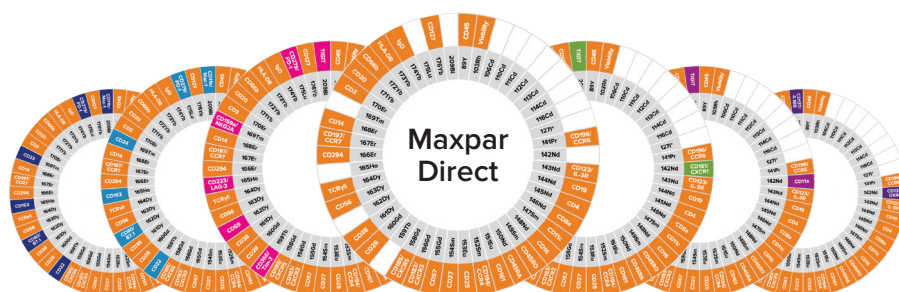
	Isotope	Myeloid and B Cell Panel 1	Myeloid and B Cell Panel 2	NK Cell Panel	T Cell Panel 1	T Cell Panel 2	T Cell Panel 3
■	142Nd	CD181 (CXCR1)	CD40	CD181 (CXCR1)	—	CD11a (LFA-1)	OX40
■	159Tb	CD22	CD22	NKp30	Tim-3	Tim-3	TIGIT
■	162Dy	CD80	CD80	NKp46	CD69	CD95 (Fas)	CD69
■	165Ho	CD163	CD163	PD-1	LAG-3	PD-1	PD-1
■	169Tm	CD33	CD24	NKG2A	NKG2A	ICOS	Tim-3
■	175Lu	PD-1	PD-1	ICOS	PD-1	CXCR4	ICOS
■	209Bi	CD11b	CD11b	TIGIT	TIGIT	TIGIT	4-1BB
Catalog No.		201402	201403	201404	201405	201406	201407

Figure 1b. The Maxpar Direct Immune Profiling Assay can be combined with 1 of 6 Maxpar Direct Expansion Panels (table, above) that fit into 7 of the empty channels (wheel, colored slots above). An additional 7 channels are available for further customization.

\*The antibodies are provided in individual tubes, not a pre-mixed cocktail.

\*Cell-ID™ 127 Idu for proliferation assessment is the only reagent currently available for the 127I channel.

Expansion Panel	Cat. No.	Description
Myeloid and B Cell Expansion Panel 1	201402	Maxpar Direct Myeloid and B Cell Expansion Panel 1 enables deeper phenotyping of myeloid and B cell subsets. This panel includes markers for monocytic myeloid-derived suppressor cells, B cell regulation and activation and neutrophil activation and exhaustion.
Myeloid and B Cell Expansion Panel 2	201403	Maxpar Direct Myeloid and B Cell Expansion Panel 2 enables deeper phenotyping of B cell and myeloid cell subsets. Additionally, the panel includes markers for transitional B cells and for monitoring B cell regulation and activation and exhaustion.
NK Cell Expansion Panel 1	201404	Maxpar Direct NK Cell Expansion Panel 1 enables deeper phenotyping of NK cells. This panel includes NK regulation and activation and exhaustion markers, which enable deeper profiling of NK subsets.
T Cell Expansion Panel 1	201405	Maxpar Direct T Cell Expansion Panel 1 enables phenotyping of T cell and NK cell exhaustion. Comprehensive investigation of T cell exhaustion is enabled by the inclusion of 5 inhibitory receptor markers, the collective expression of which may indicate increasingly diminished cellular functions.
T Cell Expansion Panel 2	201406	Maxpar Direct T Cell Expansion Panel 2 enables investigation of T cell migration, activation and exhaustion. This panel also enables in-depth assessment of circulating T follicular helper cells and T stem cell memory subset.
T Cell Expansion Panel 3	201407	Maxpar Direct T Cell Expansion Panel 3 enables phenotyping of T cell costimulation and exhaustion. The panel may also be used to perform cytokine-independent activation-induced marker (AIM) assays to study antigen-specific T cell responses.



Expand your panels. Expand your view.

Learn how you can customize the Maxpar Direct Immune Profiling Assay at [fluidigm.com/maxpardirect.customize](https://fluidigm.com/maxpardirect.customize).

To place an order, contact your regional Sales Representative at [go.fluidigm.com/contactus](https://go.fluidigm.com/contactus).

**For Research Use Only. Not for use in diagnostic procedures.**

Information in this publication is subject to change without notice. **Patent and license information:** [fluidigm.com/legal/notices](https://fluidigm.com/legal/notices). **Limited Use Label License:** The purchase of this Fluidigm Instrument and/or Consumable product conveys to the purchaser the limited, nontransferable right to use with only Fluidigm Consumables and/or Instruments respectively except as approved in writing by Fluidigm. **Trademarks:** Fluidigm, the Fluidigm logo, Cell-ID, Direct, Helios, Immune Profiling Assay and Maxpar are trademarks and/or registered trademarks of Fluidigm Corporation in the United States and/or other countries. © 2021 Fluidigm Corporation. All rights reserved 06/2021