

# Maxpar Human Immune Monitoring Panel Kit

A comprehensive mass cytometry solution for immune cell profiling



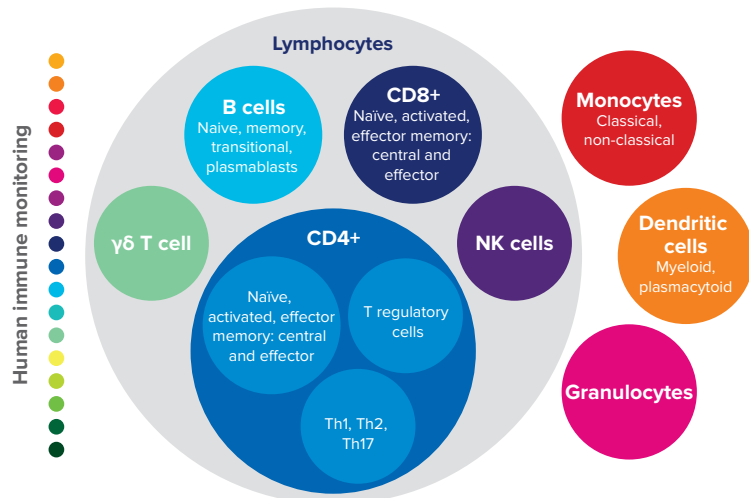
The Maxpar® Human Immune Monitoring Panel Kit enables comprehensive profiling of all major leukocyte subsets in human peripheral blood mononuclear cell (PBMC) preparations. The 29-marker panel expands the breadth of immune cell identification beyond current approaches, providing reliable immune monitoring, all in a single tube.

The kit includes pre-titrated antibodies and all other reagents required to prepare samples for analysis on Helios™ mass cytometers. This comprehensive and convenient panel kit enables high-dimensional immune cell profiling, providing consistent results, sample after sample.

Maximize the information obtained from every precious sample with this powerful mass cytometry application.

## Comprehensive profiling of leukocyte populations

### A. Leukocyte populations\*



\*These are the leukocyte populations verified during kit testing. See the product Technical Data Sheet for gating details. Additional populations may be identified depending on the gating strategy applied.

## Highlights

**Comprehensive**—Identify and deeply profile all major leukocyte populations in human PBMC.

**Powerful**—Maximize valuable information from limited or precious samples.

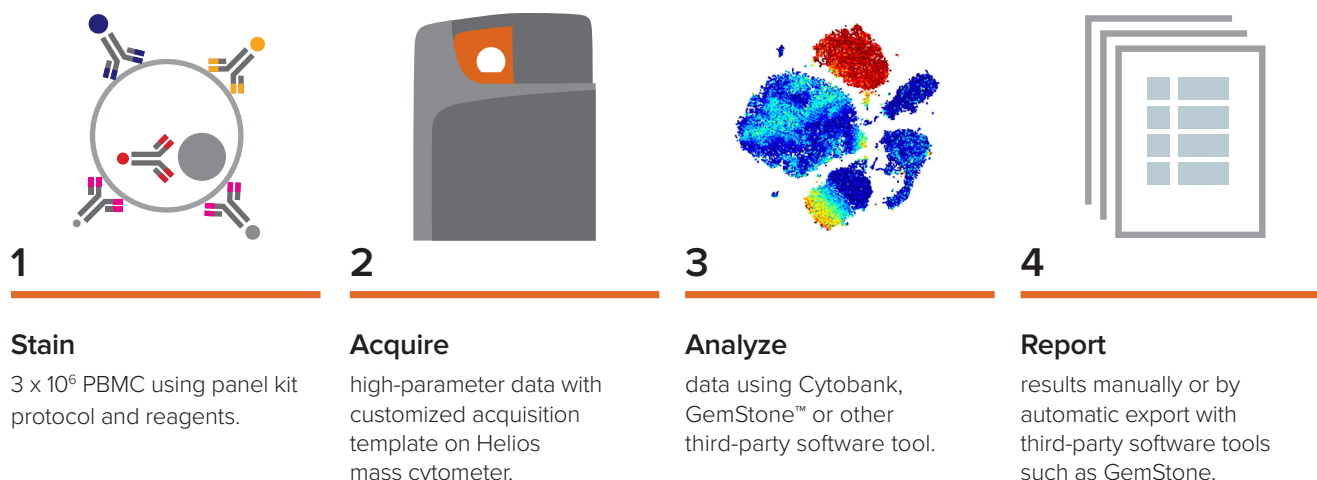
**Reliable**—Obtain trusted results with the pre-optimized mass cytometry panel.

### B. List of panel kit markers

CD3	CD27	CD161
CD4	CD28	CCR4
CD8a	CD38	CCR6
CD11c	CD45	CCR7
CD14	CD45RA	CXCR3
CD16	CD45RO	CXCR5
CD19	CD56	HLA-DR
CD20	CD66b	IgD
CD24	CD123	TCRgd
CD25	CD127	

**Figure 1. Comprehensive profiling with the Human Immune Monitoring Panel Kit.** (A) An expansive list of leukocyte populations can be identified by the kit. (B) The 29 markers included in the kit.

## Panel kit workflow



**Figure 2. Maxpar Human Immune Monitoring Panel Kit workflow.** The Maxpar Human Immune Monitoring Panel Kit contains 29 individually packaged, metal-labeled antibodies that have been pre-titrated for optimal performance against human PBMC. Also included are other reagents required to run the assay and detailed protocols for staining and running samples on a Helios mass cytometer. Manual or automated data analysis can be performed using third-party software tools such as Cytobank or GemStone.

## Data analysis options are flexible

FCS 3.0 data files are generated when acquiring samples with the Maxpar Human Immune Monitoring Panel Kit on Helios and can be analyzed by any capable third-party software tool. Manual gating can be performed with third-party software tools such as Cytobank.

Automated analysis software such as GemStone can also be used, providing the following features:

- Automated gating of viable single cells
- 2D dot plot and cell stage progression profiles
- High-dimensional Cen-se™ map of identified populations
- Sample report for each population, with cell number, percent of total cells and percent of parent population

## Maxpar Human Immune Monitoring Panel Kit ordering information

Part Number	Product Name	Content
201324	Maxpar® Human Immune Monitoring Panel Kit, 29 Marker-25 Tests	Maxpar metal-conjugated antibodies (29 individually packaged) Maxpar Cell Acquisition Solution Maxpar Cell Staining Buffer Maxpar Fix and Perm Buffer Maxpar PBS Cell-ID™ Intercalator-Ir Cell-ID Cisplatin

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