



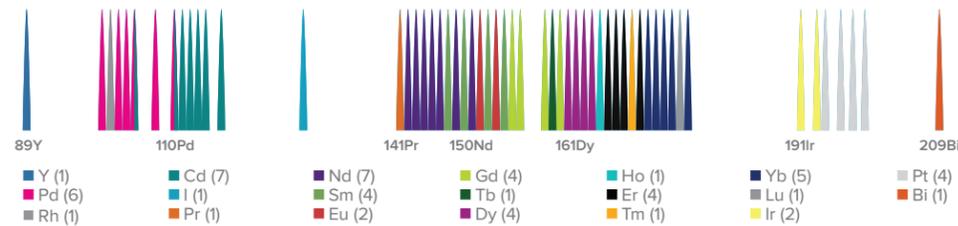
THE CYTOF ADVANTAGE

Reasons to take your high-dimensional research beyond the limits of fluorescence

1

Precision data with discrete signals

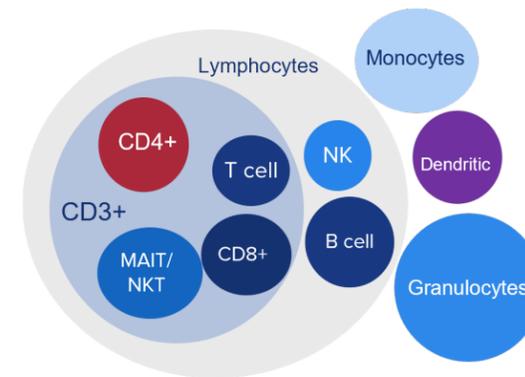
Not impacted by spectral overlapping of fluorochromes and tissue autofluorescence



4

Capture rare or unexpected cell populations

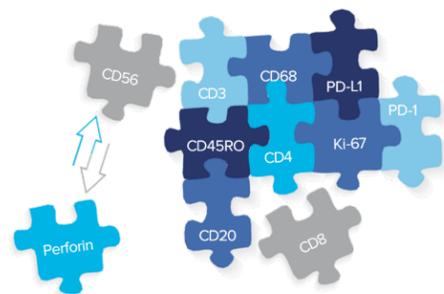
Unbiased, high-dimensional profiling of 40-plus markers to uncover diverse immune subpopulations



2

Easy panel design to complete experiments faster

Large number of available antibodies without overlap simplifies panel design and expansion

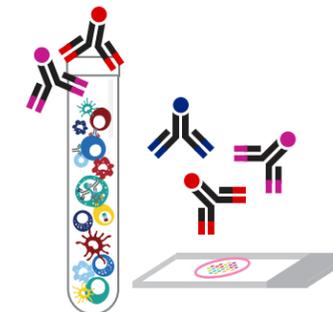


Start with ready-to-go panels and easily swap markers in and out

5

Minimal sample required, saving on limited material

Simultaneous staining and detection from a single tube or tissue scan, without multiple staining controls or time-consuming cyclic protocols



3

Reproducible and comparable

Stained samples can be frozen, stored and shipped to support longitudinal studies and multi-site workflows



6

Trusted by researchers

The leading technology for high-parameter immune research



>2,000 publications



>200 National Clinical Trials

Cytometry by time-of-flight (CyTOF® technology)

Applies purified heavy-metal labels, not normally found in biological systems, instead of fluorophores



Risks of fluorescence for high-parameter studies



Missed cell populations or false positives



More iterations required in panel design



Reduced sensitivity where fluorescence overlap occurs



Higher resource use to compensate for spectral overlap

