

Macrophage-Specific Tumor Cell Immunophenotyping

Flow cytometric analysis of tumor-associated macrophages is performed by ABL scientists through the use of cell-specific antibodies plus positive and negative magnetic bead-based cell isolation. Briefly, cells are stained for viability and identification of Pan Leukocytes with subsets specific for T and B cells, monocytes, macrophages and dendritic cells. Markers intended to assess cellular activation are also included in the panel. Macrophage analysis is ultimately refined by gating out the T cells.

Color	Marker	Use
Horizon 500	Viability	Live / Dead
APC-Cy7	CD45	Pan Leukocytes
PE-Texas Red	CD49b	Adhesion / Activation
Qdot 655	CD4	T Cells
PerCP Cy5.5	CD19	B Cell Activation / Proliferation
Qdot 565	CD8	T Cell Cytotoxic
APC	Foxp3	T Cell Regulatory
Qdot 605	CD11b	Leukocyte Adhesion and Macrophages
PE	F4/80 like	Macrophage / Eosinophil Cells
PE-Cy7	CD206	C type Lectin, Macrophage / Dendritic Cells
Horizon V450	GR-1	Early Monocytes / Dendritic Cells

