

Standard ImmGen 14-Cell Set

In addition to profiling very specific cell-types, ImmGen analyzes the responses of a constant panel of cell-types to a variety of challenges (infections, tumors, cytokines). Chromatin analyses are also performed on this default cell-set. These cells are chosen to encompass the whole range of immunocyte lineages and a variety of states, albeit not necessarily resolved to the finest subsets.

As of 2016, the ImmGen 14-cell set includes:

Panel	Cell	Organ	Markers
Panel 1	Mast Cell	PC	CD45+[CD11b-CD11c-][CD19-CD4-CD8-]CD117+FcEr1a+
	Large PC Macrophage	PC	ICAM2+F4/80+
Panel 2	Treg Cell	Spleen	CD19-CD8-TER119-GR1-TCRB+CD4+CD25hi
	Tgd Cell	Spleen	CD19-CD8-TER119-GR1-TCRB-TCRgd+
	NK Cell	Spleen	CD19-CD8-TER119-GR1-TCRB-NK1.1+
	CD8+ Dendritic Cell	Spleen	TCRB-CD11chiCD8a+
Panel 3	Classical Monocytes	Spleen	CD115+Ly6C+
	Plasmacytoid Dendritic Cell	Spleen	CD11cintB220+SiglecH+
	Neutrophil	Spleen	TCRB-B220-Ly6G+(clone 1ab)
	Red Pulp Macrophage	Spleen	TCRB-MHCIint-F4/80hi
Panel 4	Follicular B Cell	Spleen	CD19+TCRB-CD93-CD23+CD43-CD5-
	MZB Cell	Spleen	CD19+TCRB-CD93-CD23-CD21hi
	Naive CD4+ Tab cell	Spleen	CD19-TCRB+CD4+CD8-CD62Lhi
	Effector/Mem CD8+ Tab cell	Spleen	CD19-TCRB+CD4-CD8+CD62-