

## Human Cell Surface Markers PCR Array

### B-cell Surface Markers:

Activated B-cells: CD28, CD38, CD69, CD80, CD83, CD86, DPP4, FCER2, IL2RA, TNFRSF8, CD70

Mature B-cells: CD19, CD22, CD24, CD37, CD40, CD72, CD74, CD79A, CD79B, CR2, IL1R2, ITGA2,

Other B-cell Surface Markers: CD1C, CHST10, HLA-A, HLA-DRA, NT5E.

### T-cell surface markers:

Cytotoxic T-cells: CD8A, CD8B.

Helper T-cells: CD4.

Activated T-cells: ALCAM, CD2, CD38, CD40LG, CD69, CD83, CD96, CTLA4, DPP4, HLA-DRA,

Other T-cell Surface Markers: CD160, CD28, CD37, CD3D, CD3G, CD247, CD5, CD6, CD7, FAS,

**Natural Killer (NK) Cell Surface Markers:** CD2, CD244, CD247, CD7, CD96, CHST10, IL12RB1, KLRB1,

### Monocyte and Macrophage Cell Surface Markers:

Activated Macrophages: CD69, ENG, FCER2, IL2RA.

Other monocyte and macrophage Surface Markers: C5AR1, CD163, CD40, CD68, CD74, CD86,

CHST10, CSF1R, DPP4, FCGR1A, HLA-DRA, ICAM2, IL1R2, ITGA1, ITGA2, S100A8, TNFRSF8, CD70 (TNFCE2)

**Endothelial Cell Surface Markers:** ENG, ICAM2, NOS3, PECAM1, SELP, TEK, VCAM1, VWF.

**Smooth Muscle Cell Surface Markers:** MYH10, MYH9, MYOCD.

**Dendritic Cell Surface Markers:** CD1A, CD209, CD40, CD83, CD86, CR2, FCER2.

**Mast Cell Surface Markers:** C5AR1, FCER1A, FCER2, TPSAB1.

**Fibroblast (Stromal) Surface Markers:** ALCAM, COL1A1, COL1A2.

**Epithelial Cell Surface Markers:** CD1D, KRT18, KRT5, KRT8, EPCAM.

**Adipocyte Surface Markers:** RETN.