

Table S6. Ingenuity Pathway Analysis of differentially expressed genes between CD8+XCR1neg and CD8+XCR1+ DC

Pathway and network analysis was carried out using Ingenuity pathway Analysis with genes up- or down-regulated with a FC>5 and adj. P-value<0.05

Ingenuity Pathway Analysis

Term	Overlap	Gene Symbols	Adjusted P-value
Communication between Innate and Adaptive Immune Cells	9/63	Tlr11, TLR4, TLR5, IL12B, CD4, TLR7, TLR3, CD8B, Ccl9	3.63E-05
LXR/RXR Activation	10/108	IL1R2, TLR4, IL1RL2, CD36, SERPINF1, IL1R1, PLTP, PTGS2, TLR3, APOD	2.24E-04
Granulocyte Adhesion and Diapedesis	10/151	IL1R2, SELL, IL1RL2, PECAM1, CCL17, IL1R1, SDC4, MMP12, Cxcl9, Ccl9	2.95E-03
Altered T Cell and B Cell Signaling in Rheumatoid Arthritis	7/110	Tlr11, TLR4, CD79B, TLR5, IL12B, TLR7, TLR3	4.68E-03
phagosome formation	8/109	MRC1, Tlr11, TLR4, PLCE1, TLR5, TLR7, TLR3, PRKCA	5.37E-03
Crosstalk between Dendritic Cells and Natural Killer Cells	6/68	TLR4, CD209, KLRD1, IL12B, TLR7, TLR3	1.23E-02
Colorectal Cancer Metastasis Signaling	11/242	Tlr11, TLR4, CDH1, TCF4, TLR5, ADCY4, TLR7, PTGER2, PTGS2, TLR3, M	1.35E-02
NF-kB Signaling	9/168	IL1R2, TLR4, TLR5, TLR7, IL1R1, TLR3, KDR, IGF2R, DDR1	1.35E-02
Role of Macrophages, Fibroblasts and Endothelial Cells in Rheumatoid Arthritis	12/296	IL1R2, Tlr11, TLR4, TCF4, PLCE1, IL1RL2, TLR5, TLR7, DKK2, IL1R1, TLR3, PRKCA	1.78E-02
Hepatic Cholestasis	8/149	IL1R2, TLR4, CYP7B1, IL1RL2, IL12B, ADCY4, IL1R1, PRKCA	2.24E-02
Agranulocyte Adhesion and Diapedesis	8/180	SELL, PECAM1, CCL17, IL1R1, SDC4, MMP12, Cxcl9, Ccl9	3.16E-02
Role of Pattern Recognition Receptors in Recognition of Bacteria and Viruses	7/127	Tlr11, TLR4, TLR5, IL12B, TLR7, TLR3, PRKCA	3.31E-02
TREM1 Signaling	5/68	Tlr11, TLR4, TLR5, TLR7, TLR3	4.17E-02
Toll-like Receptor Signaling	5/70	TLR4, TLR5, IL12B, TLR7, TLR3	4.37E-02
Natural Killer Cell Signaling	6/105	LAI1, KLRD1, Klrp7, SH2D1B, CD300A, PRKCA	4.79E-02
B Cell Development	3/22	IL7R, CD79B, DNTT	4.79E-02