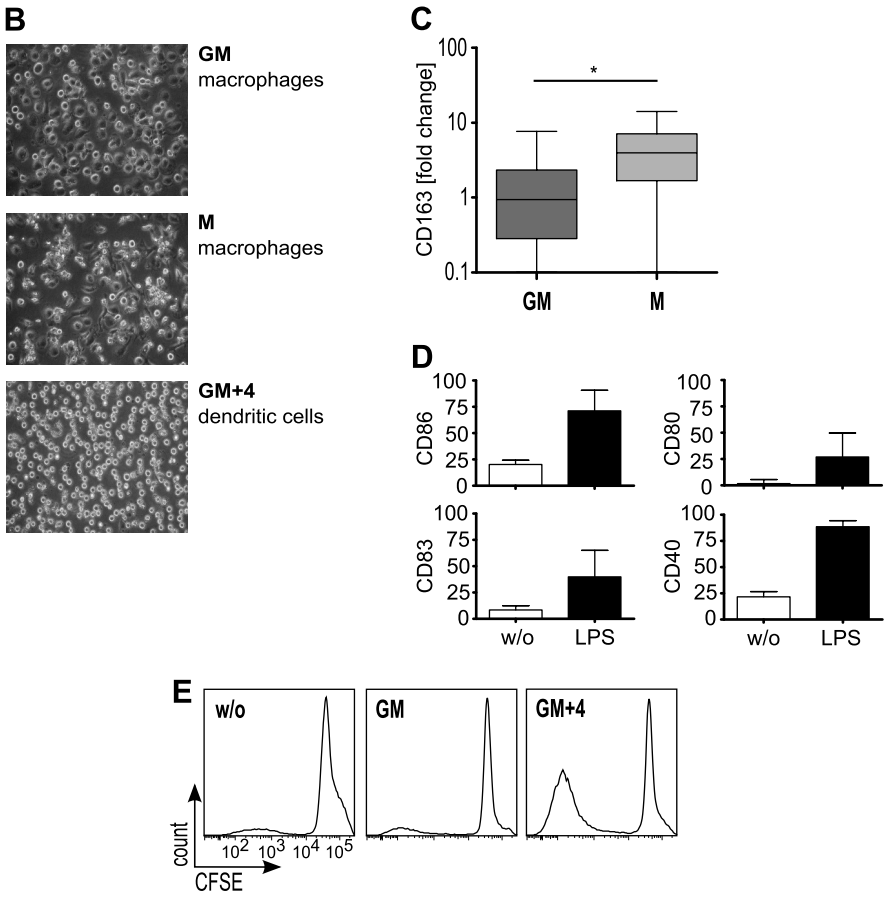
Supplemental Table SI: Primers

Table listing primers and probes used for qRT-PCR.

Target gene	Sequence
human PPIA fwd	cctaaagcatacgggtcctg
human PPIA rev	cactttgccaaacaccacat
human CLEC1A fwd	cttggtgctgctgataggg
human CLEC1A rev	cttgaccagtattggagagctg
human CLEC2B fwd	tggggctttaagagtgaagg
human CLEC2B rev	ttgggtaaagccagttagcaa
human CLEC2D fwd	tggtactgaatggacaagacagtt
human CLEC2D rev	ttgtcattcaaataggcacactc
human CLEC3B fwd	ctcaagagccgtctggaca
human CLEC3B rev	gtccccttcaggcagacc
human CLEC4C fwd	acctctgtctgaccctgcat
human CLEC4C rev	agccaagcccttagatcctt
human CLEC4D (MCL) fwd	cgtcctgaccattgaacaag
human CLEC4D (MCL) rev	aggtatcagctggggatgc
human CLEC4E (MINCLE) fwd	tcgagggtcagtggcaatg
human CLEC4E (MINCLE) rev	gttgtgccttctgttcttaaagagatt
human CLEC4E (MINCLE) probe	FAM-atagctaccctggaggactgtgccacca-BHQ1
human CLEC4F fwd	gcatttacctttgaacccaac
human CLEC4F rev	gataagctctcgcatttctgc
human CLEC4G fwd	attctgagtatcctattgtccaagg
human CLEC4G rev	ctgcttcgaggcgtttgt
human CLEC4M fwd	gacggctcacctctgtcac
human CLEC4M rev	cccgctattgttgggttct
human CLEC6A (DECTIN2) fwd	ttcagtgaagggacaaaggtg
human CLEC6A (DECTIN2) rev	aagtagcaactggaaccaaatga
human CLEC7A (DECTIN1) fwd	ctttctcggccccagact
human CLEC7A (DECTIN1) rev	ttgggtagctgtggttctga
human CLEC10A fwd	ctccagacctcccacagc
human CLEC10A rev	tctgaggttgtcacagctgaa
human CLEC12A fwd	cactcgtggtatgagagtggat
human CLEC12A rev	aagtcaggtgcgtttcttataacc
human CLEC12B fwd	ttctcaagtcacagatctccagtc
human CLEC12B rev	aggacatggattacatctgtggt
human SYK fwd	cagaacttggtcccctcaata
human SYK rev	ccagttctatgatgttcttatccttg
human CARD9 fwd	gctcctggaagaccctcag
human CARD9 rev	cagcactcgtcatcgttctc
mouse Hprt fwd	tcctcctcagaccgctttt
mouse Hprt rev	cctggttcatcatcgctaatc
mouse Csf3 fwd	cctggagcaagtgaggaaga
mouse Csf3 rev	cagcttgtaggtggcacaca

A

sex	25 male, 7 female	
age	22-55 y (mean: 27 ± 10.8 y)	
leukocyte count	3500 - 8600 (mean: 5244 ± 1229)	
CMV	9 pos., 23 neg.	
monocytes [%]		**CD14+ CD11b+ [%]**
in PBMC	11.09 ± 5.35	70.73 ± 16.20
MACS CD14+	92.38 ± 4.73	78.32 ± 17.83



Supplemental FIG S1: Further characterization of cells

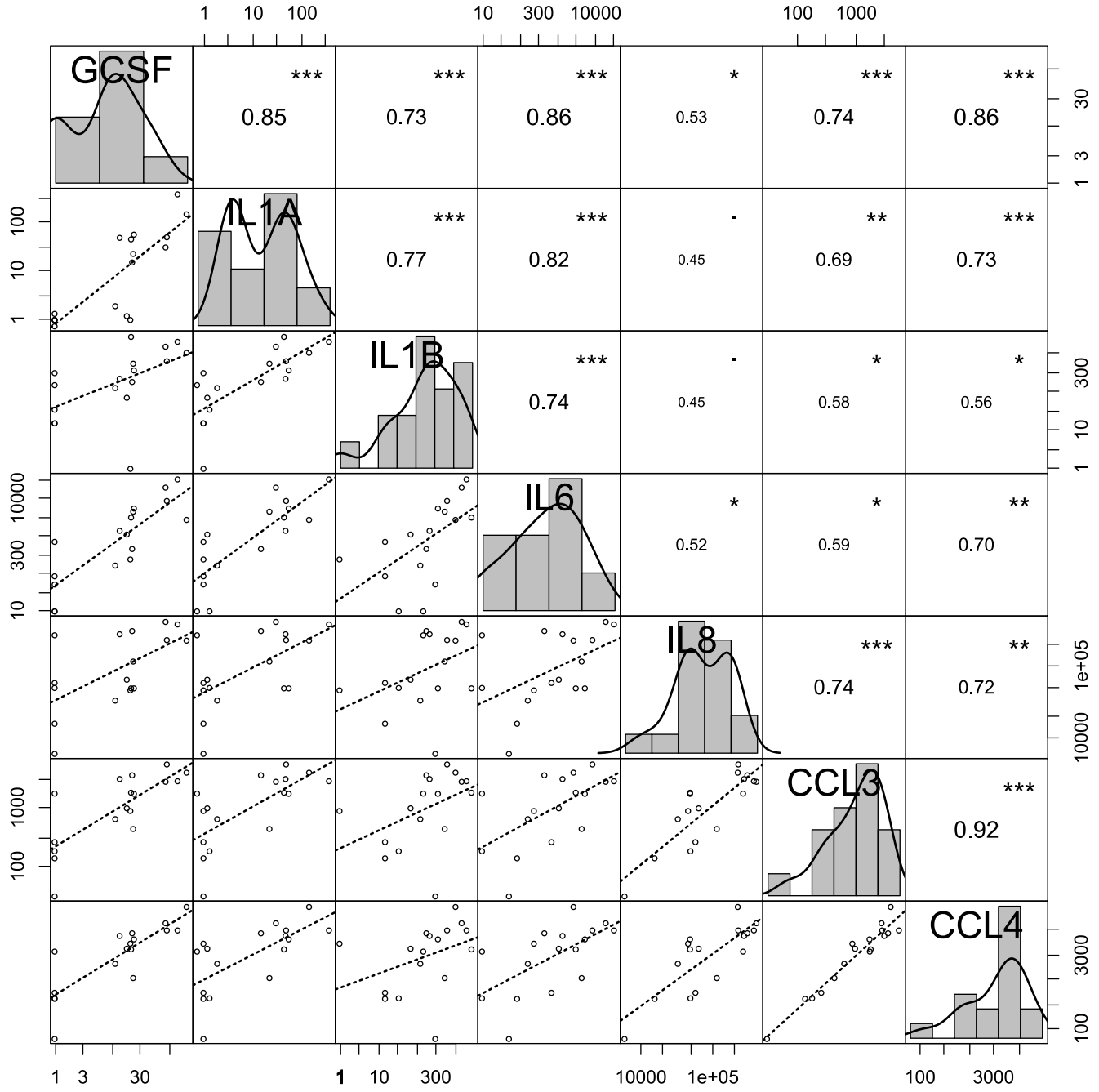
A: Table listing sex, CMV status, average age, leukocyte counts of donors analyzed in Fig. 2 and Fig. 3 (top). Percentage of monocytes in PBMC and MACS-enriched monocytes according to FACS FSC-SSC gating and percentage of CD14+ CD11b+ cells (bottom).

B: Phenotype of macrophages and DC (d6). Microscopical images of representative donor, n=32.

C: CD163 mRNA expression. GM and M macrophages, fold change relative to CD14+ monocytes. Boxplots (min-max), n=11.

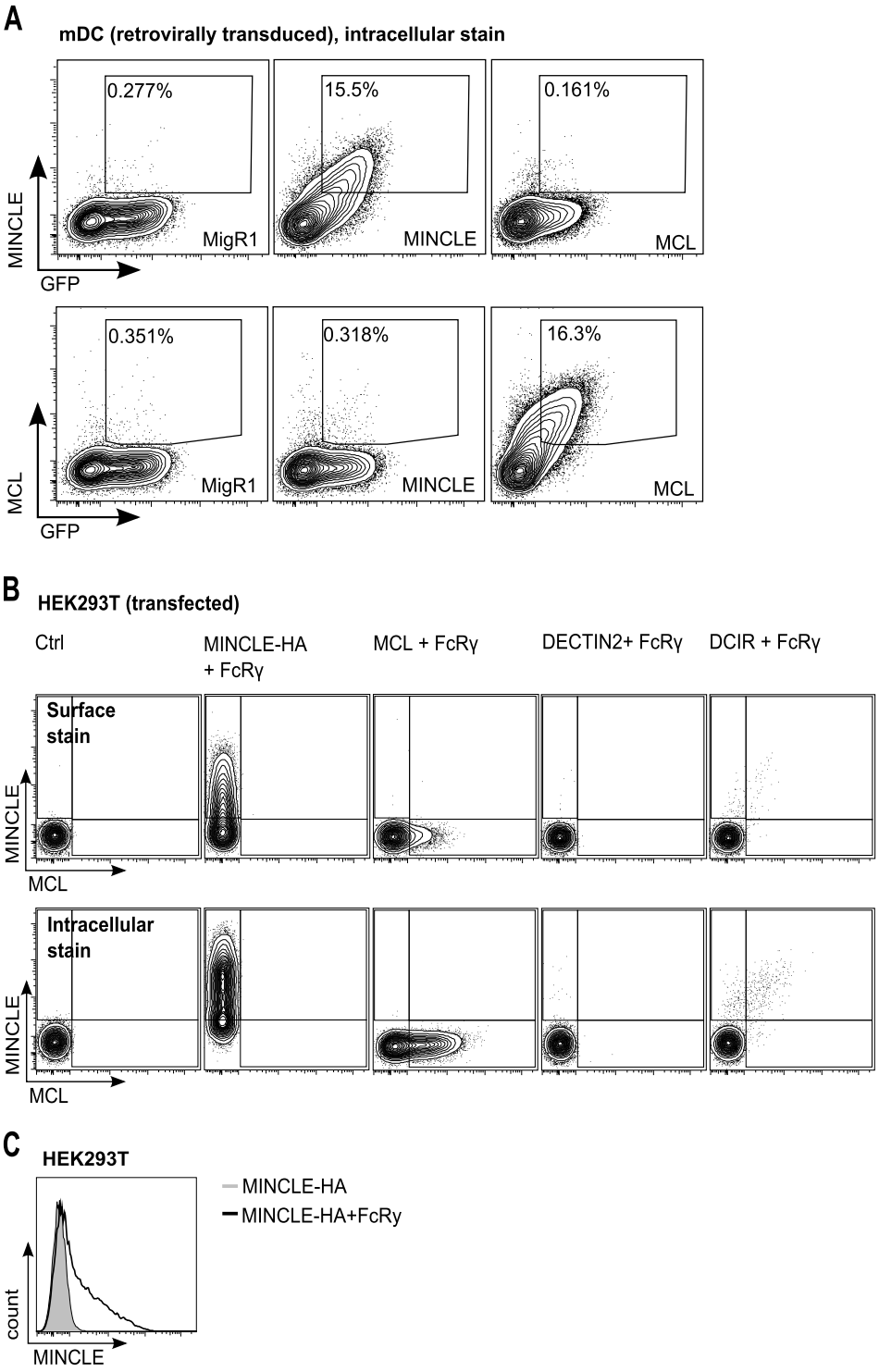
D: FACS staining of costimulatory molecules. GM+4 DC following 48 h LPS stimulation or left untreated, percent positive cells relative to unstained controls. Mean ± SD, n=4-5.

E: Antigen-presentation by GM macrophages and GM+4 DC. Mixed lymphocyte reaction (MLR), T cell proliferation (indicated by low CFSE signal, gating on living CFSE+ CD4+) after 5d incubation of T cells without (w/o) or with allogenic GM macrophages or GM+4 DC. Representative experiment, n=4.



Supplemental FIG S2: Correlation of cytokine and chemokine responses

M macrophages following 48 h stimulation with TDM (5 µg/ml), n=17. Only analytes are included that were significantly induced by TDM stimulation compared to unstimulated control. Measured by CBA, IL6 and IL8 were measured by ELISA. The distribution of samples is depicted in the middle panel; the lower left panel shows linear regression on a logarithmic scale, each dot represents one donor; the upper right panel gives R-values from Spearman correlation and indicates p-values:
.p≤0.1, * ≤0.0.05, **≤0.01, ***≤0.001.



Supplemental FIG S3: α-Mincle/ α-MCL antibody staining controls

A: FACS intracellular staining of MINCLE and MCL in murine *Clec4e*$^{-/-}$ DC retrovirally transdued with control vector MigR1, MigR1-hMINCLE or MigR1-hMCL. Representative experiment, n=7.

B: FACS surface and intracellular staining of HEK293T transfected with hMINCLE-HA, hMCL, hDECTIN2 and hDCIR together with mouse FcRg and GFP, gated on GFP+ cells. Representative experiment, n=3.

C: MINCLE FACS surface staining of HEK293T transfected with hMINCLE-HA and hMINCLE-HA +FcRg. Respresentative experiment, n=3.