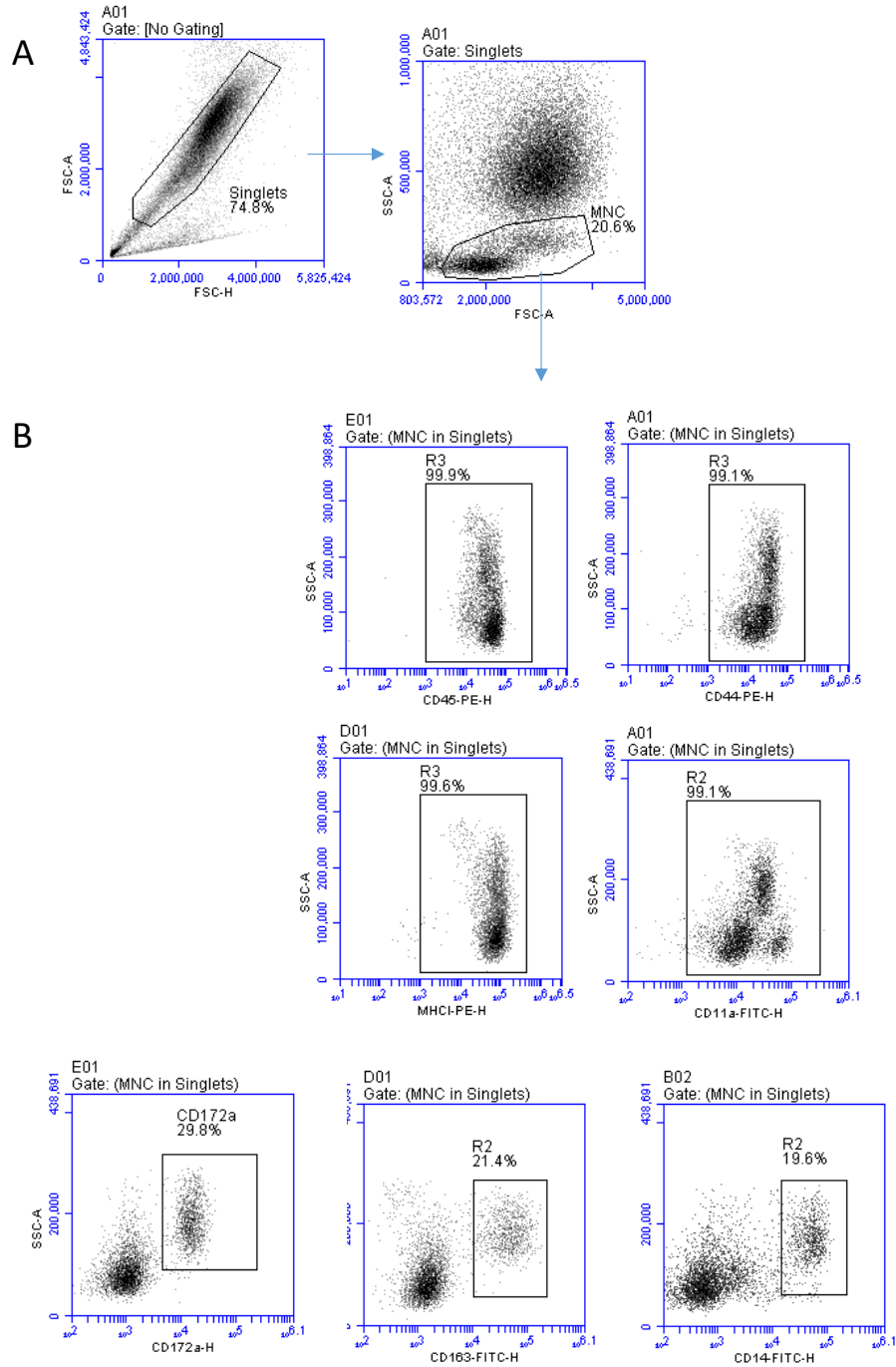
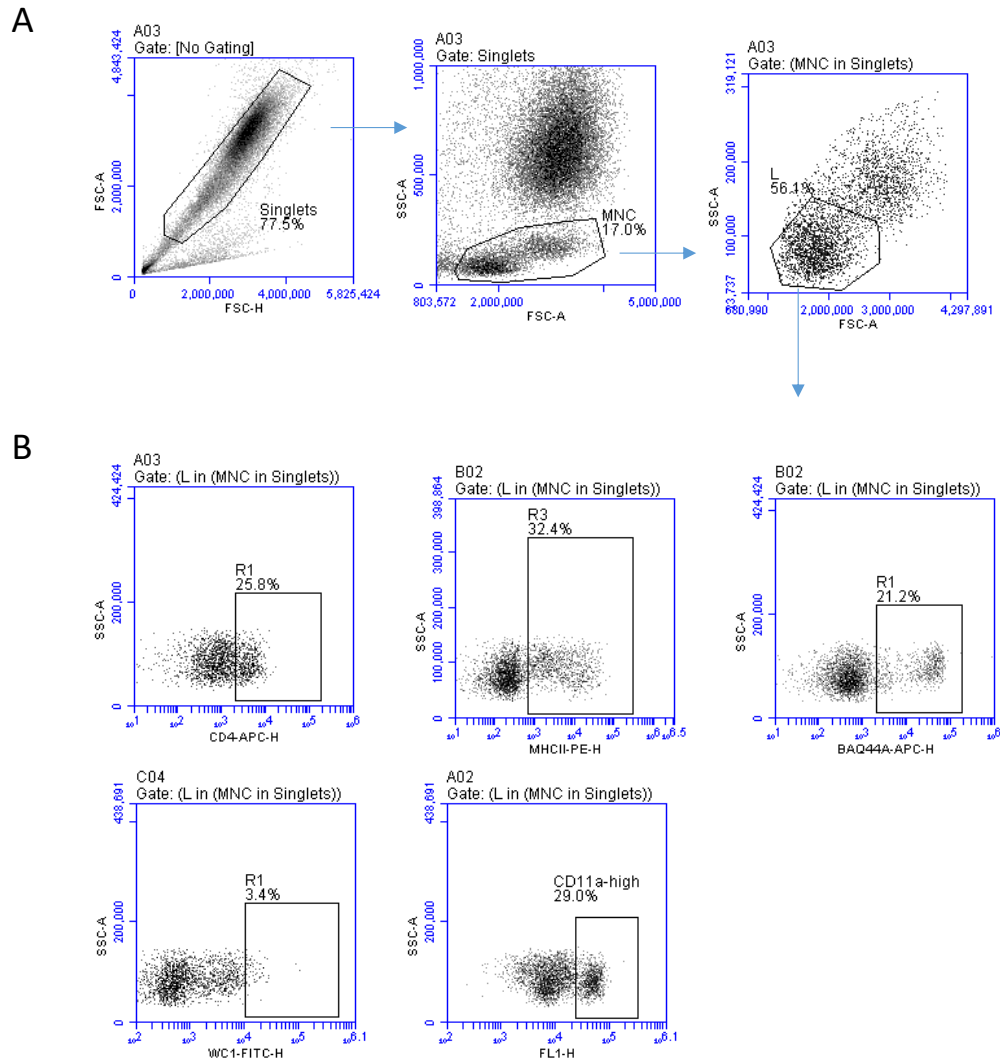




Supplementary Figure 1. Gating strategy for flow cytometric analysis of camel leukocytes stained with monoclonal antibodies to selected surface markers. A) After excluding cell duplets using a FSC-H/FSC-A gate, camel PBMCs were identified based of FSC and SSC properties. B) After setting a gate on PBMC, the percentage of cells stained positively with the selected monoclonal antibody was calculated in a separate density plot.



Supplementary Figure 2. Gating strategy for flow cytometric analysis of camel leukocytes stained with monoclonal antibodies to selected lymphocyte markers. A) After excluding cell duplets using a FSC-H/FSC-A gate, camel PBMCs were identified based of FSC and SSC properties and agate was set on lymphocytes in a separate density plot. B) After gating on lymphocytes, the percentage of cells stained positively with the selected monoclonal antibody was calculated in a separate density plot.

Supplementary Table 1. List of antibodies.

Antigen	Antibody clone	Target species	Labeling	Source	Isotype
CD45	LT12A	Llama	-	Kingfisher	Mouse IgG2a
CD44	LT41A	Llama	-	Kingfisher	Mouse IgG2a
CD11a	HUH73A	Goat	-	Kingfisher	Mouse IgG1
MHC-I	H58A	Cattle	-	Kingfisher	Mouse IgG2a
CD14	CAM36A	Cattle	-	Kingfisher	Mouse IgG1
MHC-II	TH81A5	Pig	-	Kingfisher	Mouse IgG2a
CD172a	DH59b	Cattle		Kingfisher	Mouse IgG1
CD163	LND68A	Cattle	-	Kingfisher	Mouse IgG1
CD4	GC50A1	Cattle	-	VMRD,	Mouse IgM
WC1	BAQ128A	Cattle	-	VMRD,	Mouse IgG1
B cell	BAQ44A	Cattle	-	Kingfisher	Mouse IgM
Mouse IgM	Poly	Mouse	APC	Thermofisher	Goat IgG
Mouse IgG1	Poly	Mouse	FITC	Thermofisher	Goat IgG
Mouse IgG2a	Poly	Mouse	PE	Thermofisher	Goat IgG

MHC: Major Histocompatibility Complex; WC1: workshopcluster 1; APC: Allophycocyanin; FITC: Fluorescein isothiocyanate; PE: Phycoerythrin; poly: polyclonal.

Supplementary Table 2. Adjusted p-values, 95% confidence intervals (CIs) and effect sizes (R squared) for performed comparative analyses.

Statistical data related to the comparisons in Figure 1.			
Parameter	Adjusted P Value	95% confidence interval	R squared
Apoptotic lymphocytes	0.0801	0.4462 to 2.454	0.7339
Necrotic lymphocytes	0.1537	-1.551 to -0.04908	0.6
Viable lymphocytes	0.3241	-1.889 to 0.5895	0.2666
Apoptotic monocytes	0.1291	0.4429 to 4.857	0.6558
Necrotic monocytes	0.3241	-0.9481 to 0.1815	0.3784
Viable monocytes	0.3241	-5.166 to 0.8323	0.4082
Statistical data related to the comparisons in Figure 3.			
Parameter	Adjusted P Value	95% confidence interval	R squared
CD45+	0.8452	-0.7673 to 0.2673	0.2358
CD44+	0.8452	-1.277 to 2.511	0.1229
MHCI+	0.8452	-1.277 to 2.511	0.1229
CD11a+	0.8452	-0.4651 to 1.232	0.2124

CD14-	0.8452	-4.079 to 11.78	0.2376
CD14+	0.8452	-11.78 to 4.079	0.2376
CD163+	0.5279	-14.32 to 1.780	0.445
CD172+	0.457	-11.18 to 0.7224	0.505
CD4+	0.3621	-0.7850 to 8.452	0.4766
WC1+	0.4688	-0.4294 to 1.663	0.3147
MHCII+	0.8084	-4.382 to 7.168	0.07143
BAQ44A+	0.8084	-2.989 to 4.026	0.02805
CD11a high	0.3621	-14.44 to 1.717	0.4504

Statistical data related to the comparisons in Figure 4.

Parameter	Adjusted P Value	95% confidence interval	R squared
Apoptotic lymphocytes	0.000067	6.827 to 12.59	0.8334
Necrotic lymphocytes	0.000067	4.280 to 8.061	0.8243
Viable lymphocytes	0.000002	-19.05 to -12.71	0.9169
Apoptotic monocytes	0.000207	3.113 to 7.226	0.7356
Necrotic monocytes	0.000207	3.919 to 8.585	0.7597
Viable monocytes	0.000067	-14.87 to -7.968	0.8281

Statistical data related to the comparisons in Figure 5.

Parameter	Adjusted P Value	95% confidence interval	R squared
CD45+	<0.0001	-11.60 to -7.139	0.9092
CD44+	0.0007	-2.525 to -1.150	0.78
MHCI+	0.0006	-13.46 to -6.279	0.769
CD11a+	0.1325	-2.658 to -0.1202	0.373
CD14+	0.1527	-10.70 to 0.1031	0.3233
CD14-	0.1527	-0.1360 to 10.68	0.3206
CD163+	0.0006	-7.848 to -3.592	0.7609
CD172+	0.9385	-2.950 to 2.750	0.0006993
CD4+	0.0108	-8.519 to -2.895	0.6446
WC1+	0.0297	1.576 to 3.652	0.7828
BAQ44A+	0.0337	0.3972 to 7.785	0.3785
MHCII+	0.0337	4.812 to 11.65	0.7421
CD11a high	0.0337	-11.77 to -6.230	0.823