Electronic Supplementary Material (ESI) for Biomaterials Science.

Electronic Supplementary Information

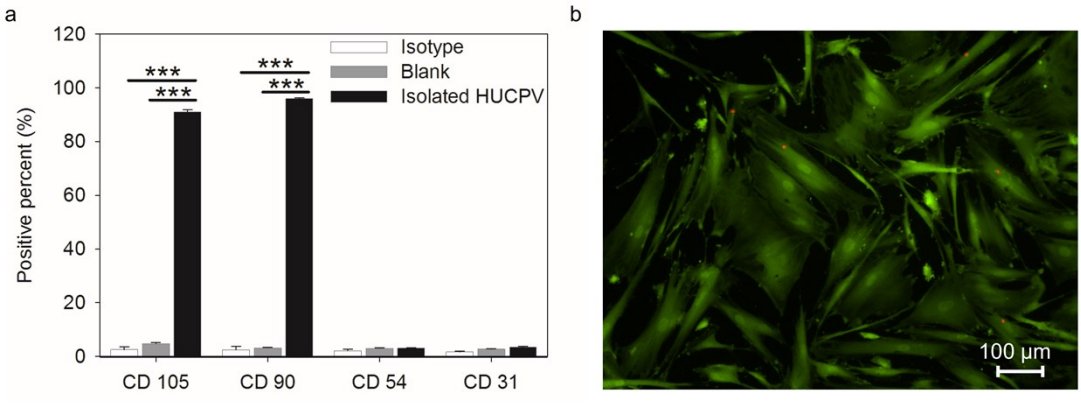
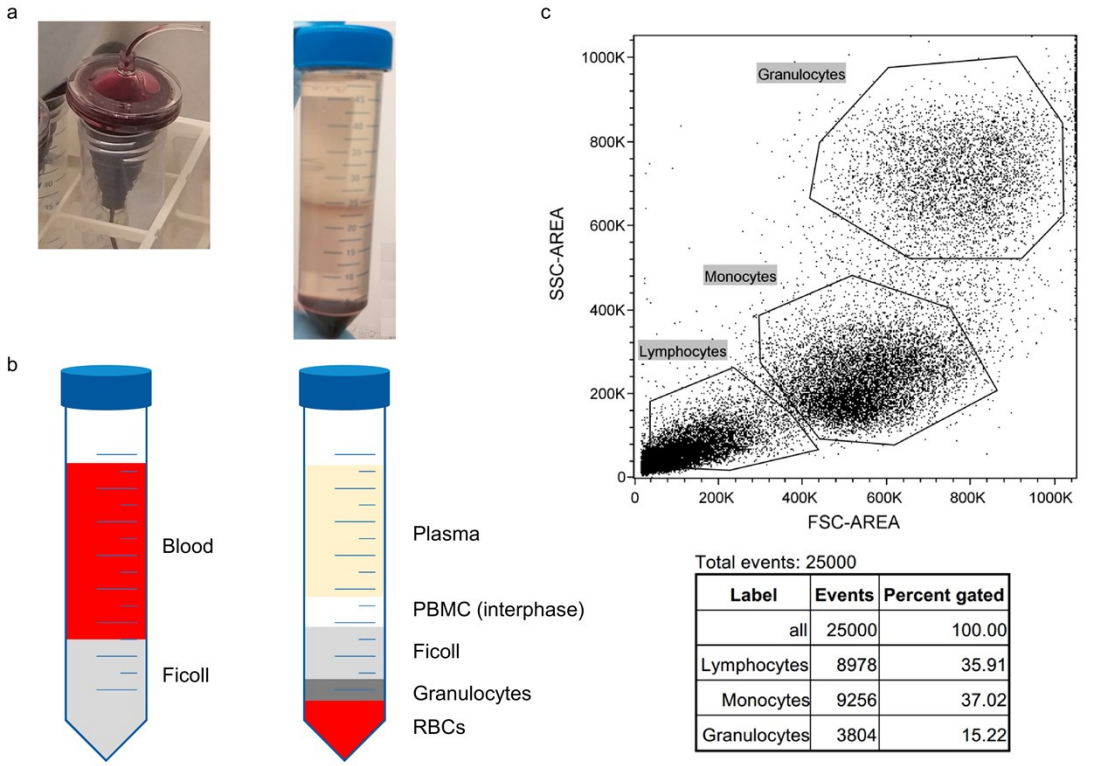


Fig. S1 Validation of isolated HUCPV. The immunophenotyping (a) and morphology (b) were investigated by flow cytometry and live-dead staining. Green and red colours represent live and dead cells, respectively. Scale bar represent 100 µm (b). Stars indicate significant differences between two conditions (ANOVA; α=0.05, ****P≤0.001*).



Total events: 25000

Label	Events	Percent gated
all	25000	100.00
Lymphocytes	8978	35.91
Monocytes	9256	37.02
Granulocytes	3804	15.22

Fig. S2 Isolation and characterisation of PBMC using Ficoll density gradient centrifugation and flow cytometry analysis, respectively. Graphs represent samples after Ficoll density gradient centrifugation (a) and the schematic procedures (b). (c) Subpopulations (%) of isolated PBMC. The percentages of lymphocytes, monocytes, and granulocytes in isolated PBMC were indicated via flow cytometry analysis.

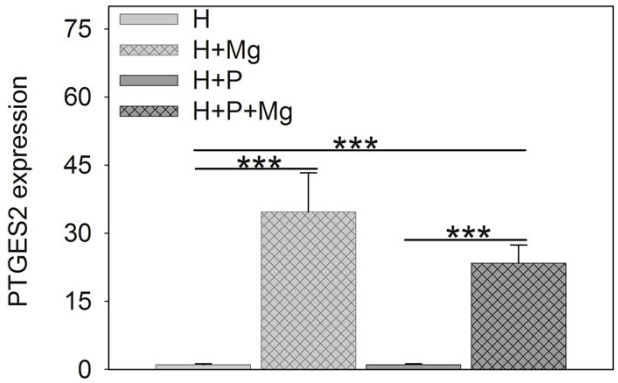


Fig. S3 Gene expression of *PTGES2* in HUCPV at day 7. The primer sequences for the *PTGES2* gene were 5'-CTTCCTTTTCCTGGGCTTCG-3' and 5'-GAAGACCAGGAAGTGCATCCA-3' (reverse and forward, respectively). Bars represent mean ± SD (n≥12). The significances are represented by asterisks and were obtained from post hoc multiple comparisons between each group or to controls in ANOVA (α=0.05, ***$P \leq 0.001$). H: HUCPV; P: PBMC.