

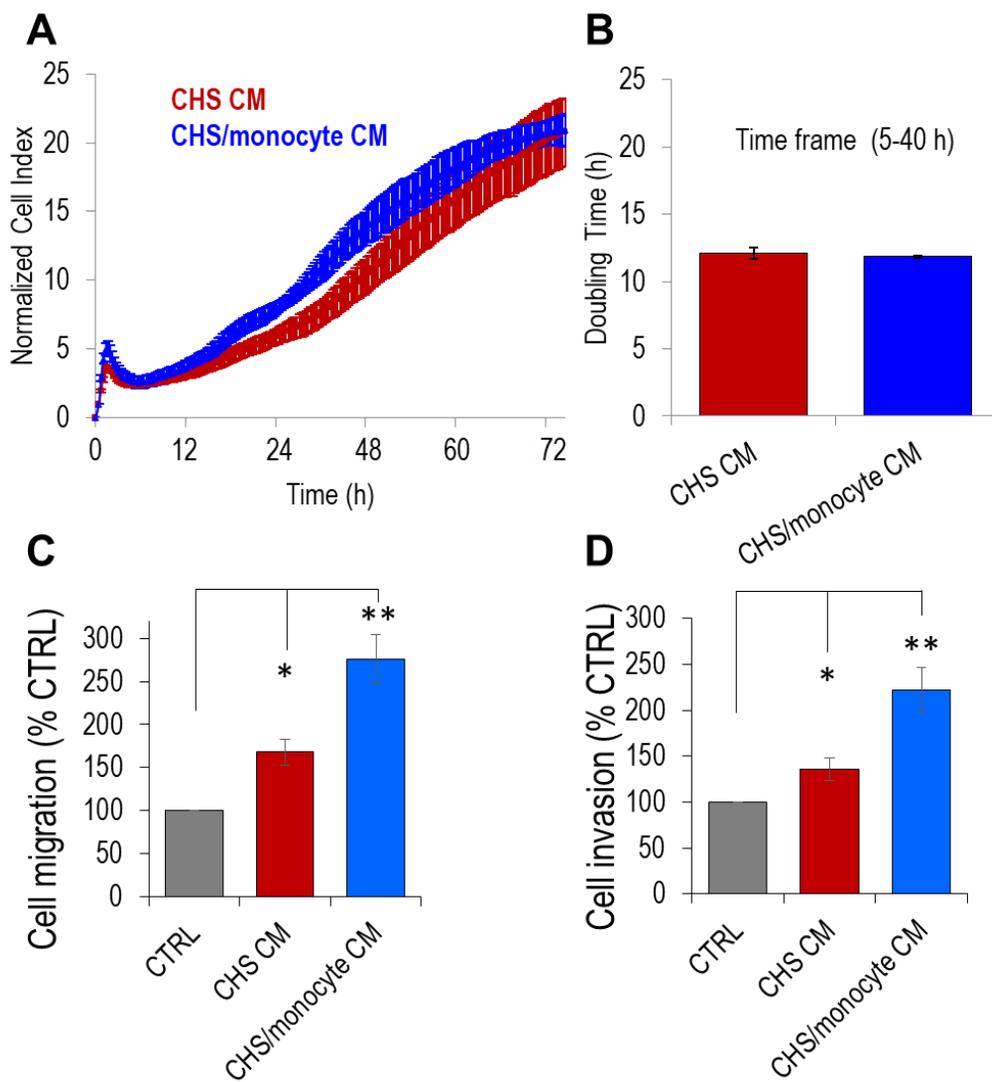
# Supplementary Data

## Pearson's Correlation coefficients

	CD68 Average	CD68 Score	CD163 Average	CD163 Score	iMVD Average	iMVD Score	PFS
<b>CD68 Average (n.18)</b>	1	0,835	0,855	0,815	0,834	0,746	0.013
<b>CD68 Score (n.18)</b>	0,835	1	0,897	0,911	0,752	0,657	0,044
<b>CD163 Average (n.18)</b>	0,855	0,897	1	0,959	0,929	0,882	-0,485
<b>CD163 Score (n.18)</b>	0,815	0,911	0,959	1	0,854	0,844	-0,285
<b>iMVD Average (n.18)</b>	0,834	0,752	0,929	0,854	1	0,962	-0,573
<b>iMVD Score (n.18)</b>	0,746	0,657	0,882	0,844	0,962	1	-0,426
<b>PFS (n.8)</b>	0.013	0,044	-0,485	-0,285	-0,573	-0,426	1

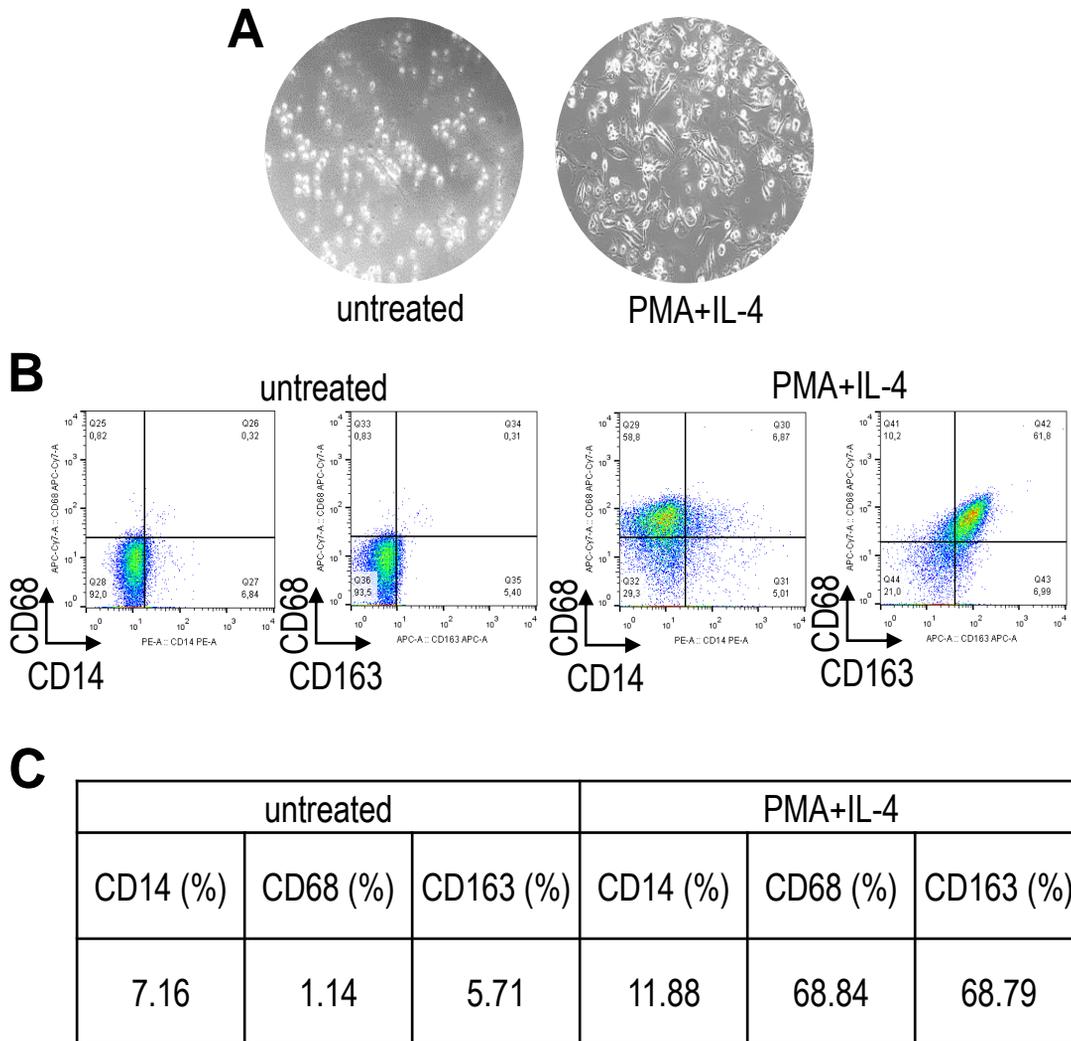
**Figure S1. Relationship between CD68 and CD163 and CD31 expression levels in tumor tissues and progression free survival of CHS patients.**

Values of Pearson's correlation coefficient referred to the correlation between CD68<sup>+</sup>, CD163<sup>+</sup> and intratumor microvessel density(iMVD) CD31 averages and scores, and progression free survival,were assessed by using the SPSS 20.0 software. In parentheses is the number of analyzed cases.



**Figure S2. Proliferation and migration rate of CHS cells.**

Proliferation rate of primary CHS cells derived from the tumor tissue #9 assessed by monitoring impedance by RTCA xCELLigence Technology. **A.** Primary CHS cells were seeded in E-plates in CM from CHS cells or CM from human monocytes pre-cultured with CHS cells. In all cases, serum was added to a 5% final concentration. **B.** Doubling times were calculated from the cell growth curves, during exponential growth (time frame: 5-40 h). Data represent mean  $\pm$  SD from a quadruplicate experiment representative of 3 replicates. **C-D.** Cell migration (**C**) and invasion (**D**) of CHS cells in Boyden chambers. CHS cells were allowed to migrate (**C**) or invade matrigel (**D**) toward serum-free medium (CTRL), CM of human monocytes recovered after monocyte/CHS co-cultures or control CM from CHS cells alone. In all cases, FBS was added to a 5% final concentration in the lower compartment of Boyden chambers. For quantitative analysis, values were reported as percentage of the CTRL, considered as 100%. Data are the means  $\pm$  SD of three independent experiments, performed in triplicate. Statistical significance with \* $p < 0.005$  and \*\* $p < 0.001$ .



**Figure S3. Flow Cytometric analysis of CD68 and CD163 expression in untreated and PMA/IL-4-treated THP-1 cells.** Untreated and PMA/IL-4-treated THP-1 cells (A) analyzed for CD14, CD68 and CD163 expression by flow cytometry (B). Percent of cells expressing CD14, CD68 and CD163 in untreated THP-1 cells and in cells treated with PMA/IL-4.