## **Blood Monocyte Subsets with Activation Markers in Relation with Macrophages in Non-Small Cell Lung Cancer**

Iwona Kwiecień, Elżbieta Rutkowska, Małgorzata Polubiec-Kownacka, Agata Raniszewska, Piotr Rzepecki and Joanna Domagała-Kulawik





**Figure S1.** Flow cytometry analysis of alveolar macrophage (AMs) in hlBALF (**A**) and clBALF (**B**). AMs were gated as CD45+bright/CD68+bright without clumps (greater FSC-A relative to FSC-H) and debris (very low FSC).



**Figure S2.** The gating strategy of monocytes and CD11c expression histograms with statistic in PB from representative cancer patient. Cells with fluorescence on histograms were visualized with 'logicle' displays. (**A**) CD45 vs. SSC-A plot: Broad selection of monocytes based on their SSC/CD45 properties. (**B**) CD68 vs. SSC-A plot: Broad selection of monocytes based on their SSC/CD68 properties. (**C**) CD16 vs. CD14 plot to gate the monocyte subsets: classicals (blue), intermediates (red) and non-classicals (green). (**D**) Histogram with CD11c expression on classical monocytes. (**F**) Histogram with CD11c expression on intermediate monocytes. (**F**) Histogram with CD11c expression on non- classical monocytes.



**Figure S3.** The gating strategy of monocytes and CD18 expression histograms with statistic in PB from representative cancer patient. Cells with fluorescence on histograms were visualized with 'logicle' displays. (**A**) CD45 vs. SSC-A plot: Broad selection of monocytes based on their SSC/CD45 properties. (**B**) CD68 vs. SSC-A plot: Broad selection of monocytes based on their SSC/CD68 properties. (**C**) CD16 vs. CD14 plot to gate the monocyte subsets: classicals (blue), intermediates (red) and non-classicals (green). (**D**) Histogram with CD18 expression on classical monocytes. (**F**) Histogram with CD18 expression on non-classical monocytes.



**Figure S4.** The gating strategy of monocytes and HLA-DR expression histograms with statistic in PB from representative cancer patient. Cells with fluorescence on histograms were visualized with 'logicle' displays. (**A**) CD45 vs. SSC-A plot: Broad selection of monocytes based on their SSC/CD45 properties. (**B**) CD68 vs. SSC-A plot: Broad selection of monocytes based on their SSC/CD68 properties. (**C**) CD16 vs. CD14 plot to gate the monocyte subsets: classicals (blue), intermediates (red) and non-classicals (green). (**D**) Histogram with HLA-DR expression on classical monocytes (with percentages values and GMF). (**E**) Histogram with HLA-DR expression on intermediate monocytes. (**F**) Histogram with HLA-DR expression on intermediate monocytes.



**Figure S5.** The gating strategy of monocytes and CD62L expression histograms with statistic in PB from representative cancer patient. Cells with fluorescence on histograms were visualized with 'logicle' displays. (**A**) CD45 vs. SSC-A plot: Broad selection of monocytes based on their SSC/CD45 properties. (**B**) CD68 vs. SSC-A plot: Broad selection of monocytes based on their SSC/CD68 properties. (**C**) CD16 vs. CD14 plot to gate the monocyte subsets: classicals (blue), intermediates (red) and non-classicals (green). (**D**) Histogram with CD62L expression on classical monocytes (with percentages values and GMF). (**E**) Histogram with CD62L expression on intermediate monocytes. (**F**) Histogram with CD62L expression on non- classical monocytes.



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