

Supplementary Figure 1. AXL expression correlates with CD68 expression in triple-negative breast cancer. a) Correlation analysis between *AXL* gene expression and CD68 protein in the internal cohort of 203 TNBC (Spearman's coefficient, rs = 0.405; Bonferroni adjusted P = 0.007). b) A scatter diagram showing the positive correlation between immunohistochemical staining of AXL and CD163 proteins in TNBC (N = 203) (rs = 0.342; P < 0.0001). c) Correlation analysis between the expression of *AXL* and *CD68* performed on gene expression data from 3 publicly available TNBC datasets (N = 311) (rs = 0.360; P < 0.0001).



Supplementary Figure 2. AXL is involved in a gene network regulating tumor immune response and M2 macrophages. a) Pathway analysis of genes co-expressed with AXL in triple negative breast cancer. Co-regulated genes were identified using the SEEK platform, and pathway analysis was performed with IPA. *P*-values for pathway enrichment were adjusted for multiple testing using the Benjamini-Hochberg correction. Immune pathways were indicated with an asterisk (*). b, c) The images represent the top networks identified with IPA software for the genes significantly coexpressed (P < 0.01) with the immune modules reflecting the polarization of M1 (b) or M2 (c) macrophages. As evidenced in (c), *AXL* was present in the signaling network associated with the M2-related module only.



Supplementary Figure 3. *AXL* expression is predictive of relapse-free survival independently of proliferation in adjuvant chemotherapy treated triple-negative breast cancers. a) Kaplan-Meier analysis for relapse-free survival according to *AXL* expression in 137 TNBC treated with adjuvant chemotherapy. The median expression value of *AXL* was used as cutoff. b) Pearson's correlation analysis showing that *AXL* expression does not correlate with the expression of *MKI*67 (r = 0.014).



Supplementary Figure 4. Effects of *AXL***-overexpressing basal-like breast cancer cells on the polarization of M2 macrophages.** Flow cytometric analysis of the M2 markers CD163 and CD206 in human monocytes cultured in the absence (pink) or presence of *AXL*-expressing basal-like HCC38-conditioned medium (CM) (blue), and *AXL*-negative basal-like MDA-MB-468-CM (green) for 6 days. Gray histograms represent staining with isotype controls. The histograms are representatives of five independent experiments.