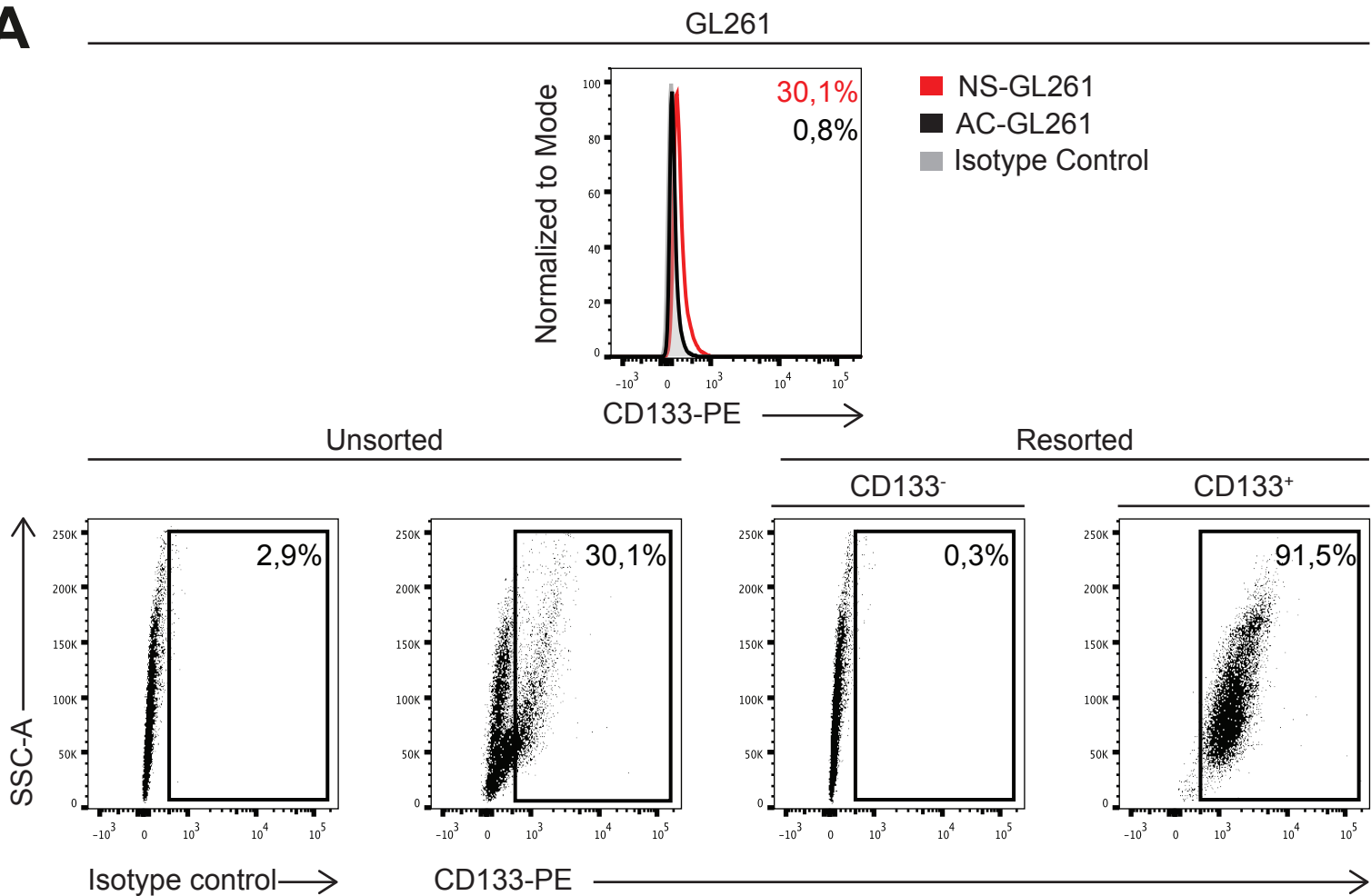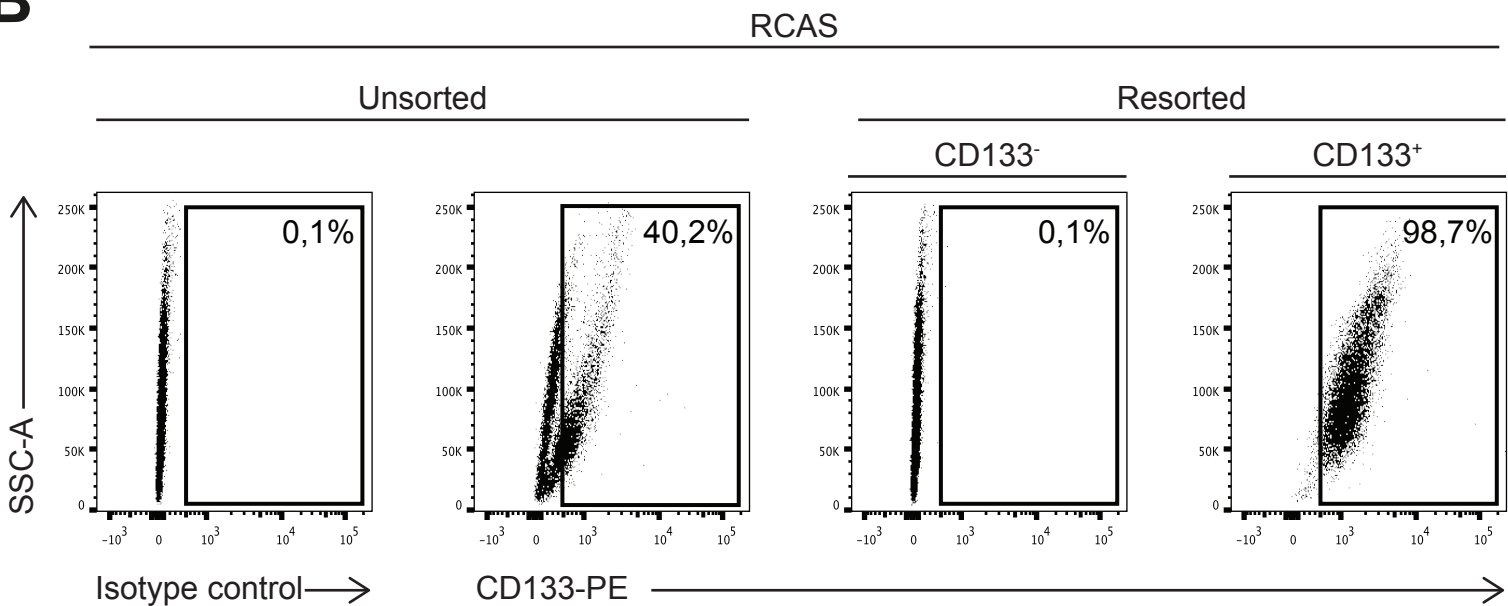**Supplementary Data Figure 1. The mouse cell line GL261 and RCAS-PDGFb murine tumor model used in the present study contains a population of CD133+ cells with increased tumorigenic potential, which is lost after differentiation.**

(A) The percentage of CD133+ cells in neurosphere GL261 cells is 30,1% while in adhesive GL261 it is less than 1%. The mouse astrocytoma cell line GL261 contained a population of CD133+ cells, which could be purified by FACS with respective species-specific antibodies. The respective immunoglobulin isotypes (isotype control) served as controls. (B) RCAS-PDGFb murine tumor model contained a population of CD133+ cells, which could be purified by FACS with respective species-specific antibodies.The respective immunoglobulin isotypes (isotype control) served as controls.
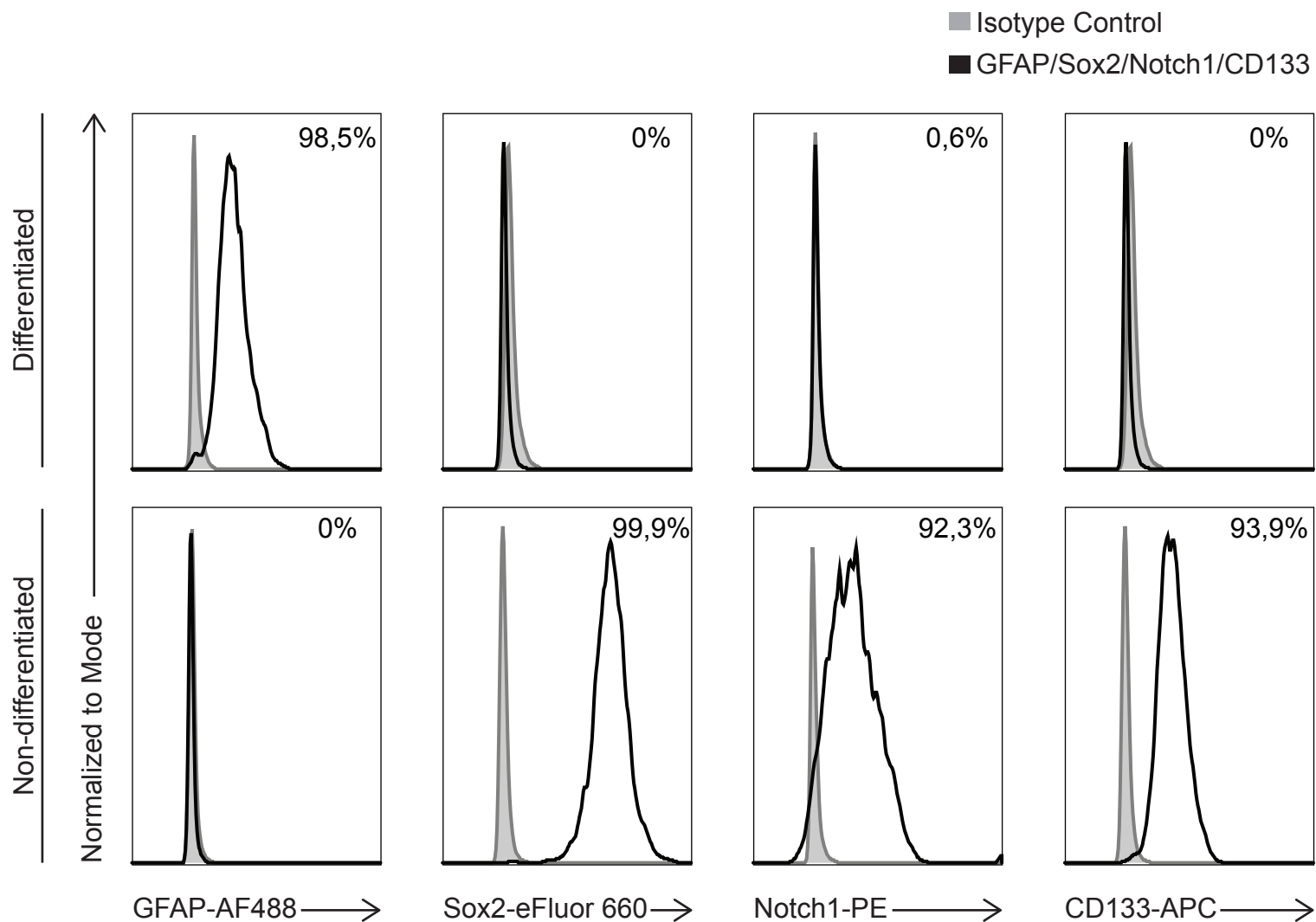
Supplementary Data Figure 2. Flow cytometric characterization of FACS sorted CD133⁺ GL261 cells
Representative histograms of GFAP, Sox2, Notch1 and CD133 expression of FACS
sorted CD133⁺ GL261 cultured in stem cell medium (non-differentiated) and
differentiated with 10% FCS. The gray label indicates isotype control. These data
indicate that CD133 positive cells have the capacity to differentiate.
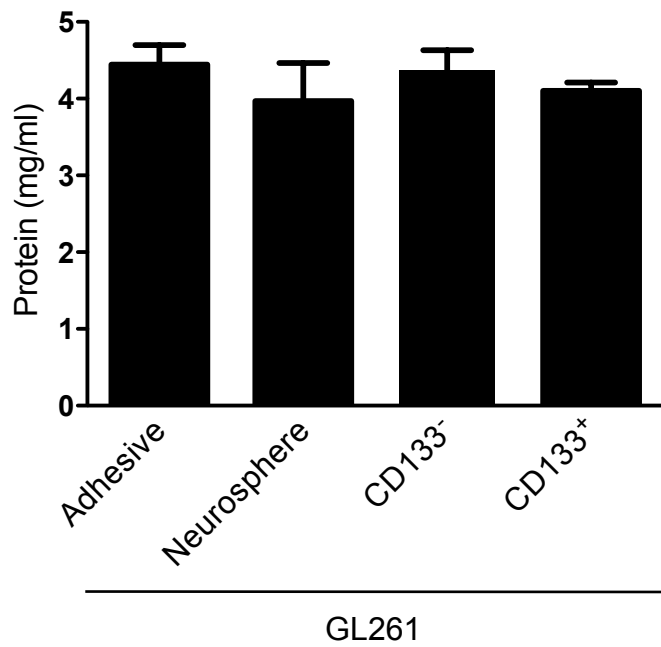
Supplementary Data Figure 3. Protein concentrations of the conditioned media are equal
The protein concentration of the conditioned media were determined using the BCA protein assay reagent f rom Pierece.
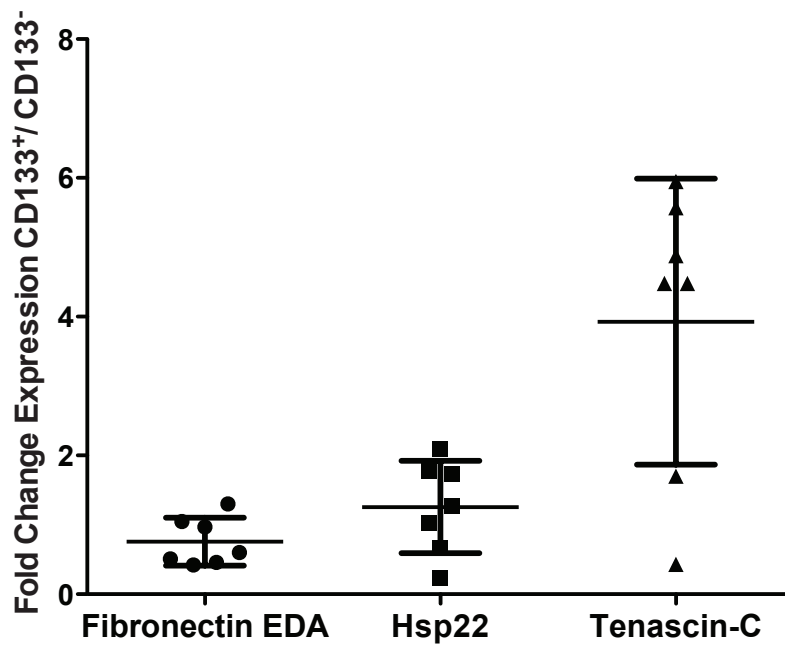
Supplementary Data Figure 4. Expression levels of selected TLR4-specific ligands in GL261 CD133$^+$ cells.

Expression of Fibronectin EDA-domain, Hsp22 and tenascin-C was analyzed by qRT-PCR in FACS sorted CD133$^-$ and CD133$^+$ cells from mouse GL261 cell cultures . ß-Actin was used as an internal control, target expression in CD133$^+$ cells was normalized to the respective CD133$^-$ fraction. Graph represents the fold change from n=7 (±SD) individual CD133$^+$ cells compared to the CD133$^-$ fraction isolated from the same sample respectively. HSP22 and EDA are slightly higher expressed in CD133$^+$ compared to CD133$^-$ cells, while tenascin-C is significant 4 fold higher expressed in CD133$^+$ compared to CD133$^-$ cells.

Gender	Age	Diagnose	Code in text
Female	47	GBM	GBM 1
Female	62	GBM	GBM 2
Male	78	GBM	GBM 3
Female	71	GBM	GBM 4
Female	54	GBM	GBM 5
Male	54	GBM	GBM 6
Female	74	GBM	GBM 7
Female	31	GBM	GBM 8

Supplementary Data Table 1. Overview of resected tumor tissue samples used for qRT-PCR