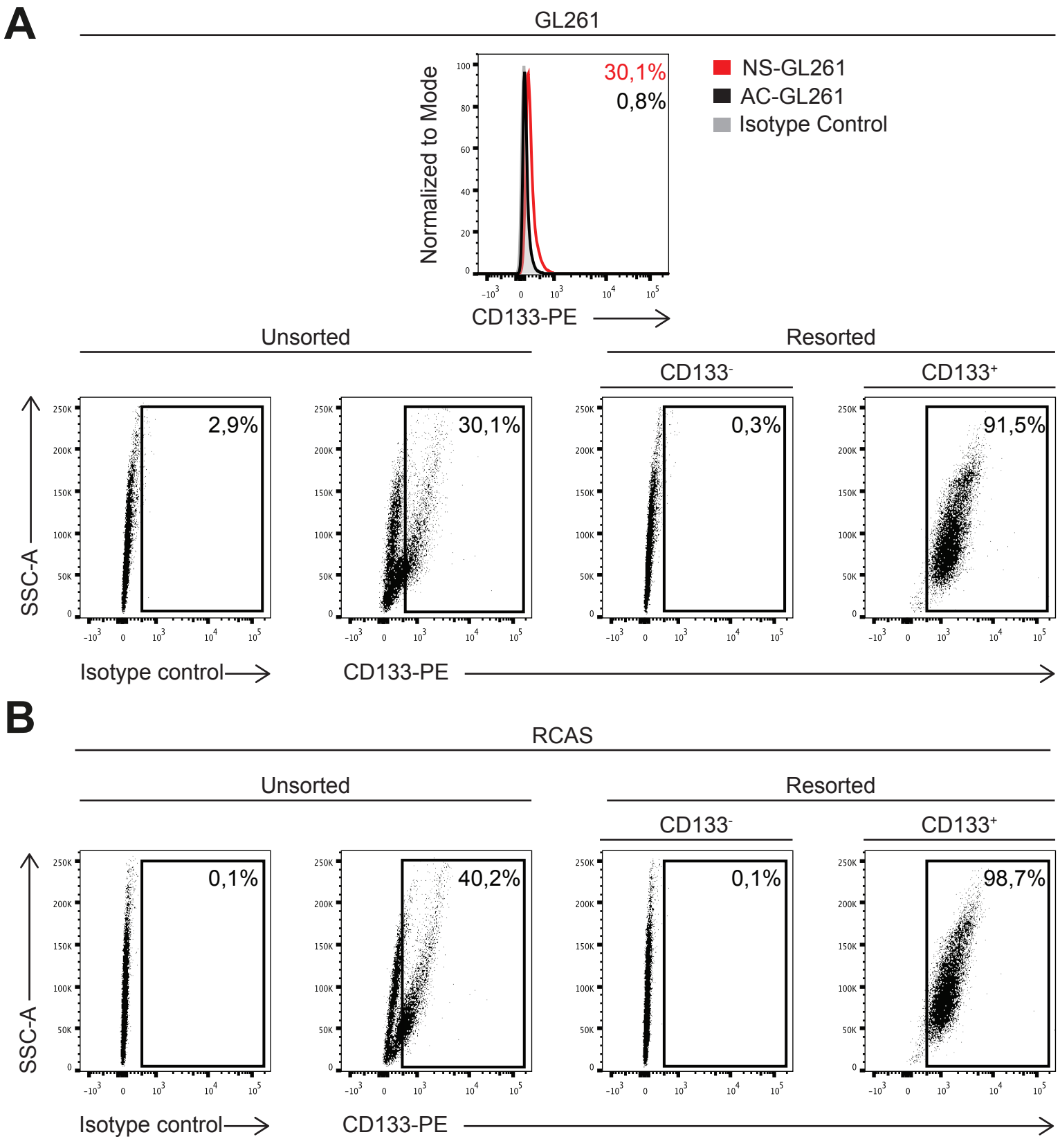
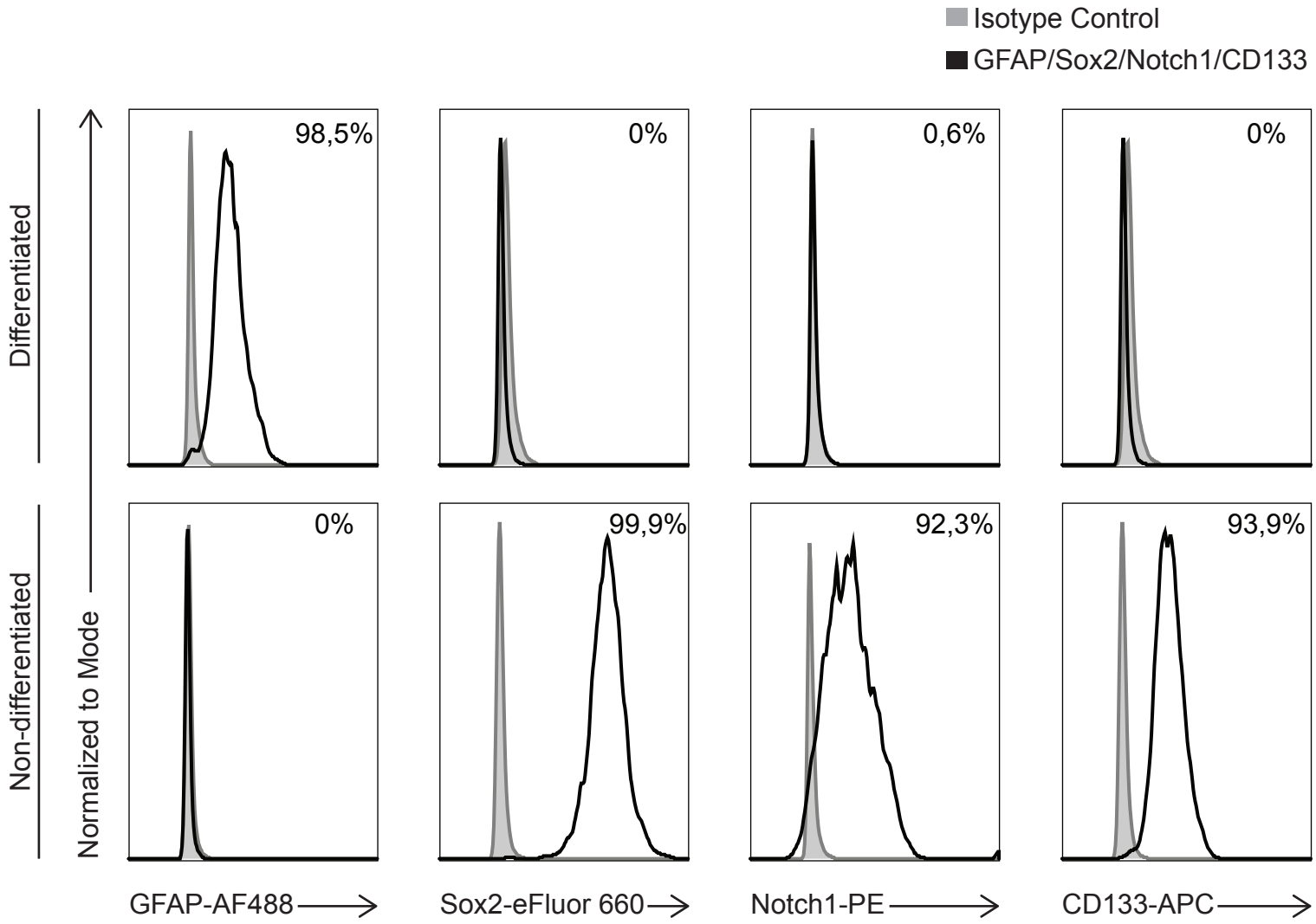
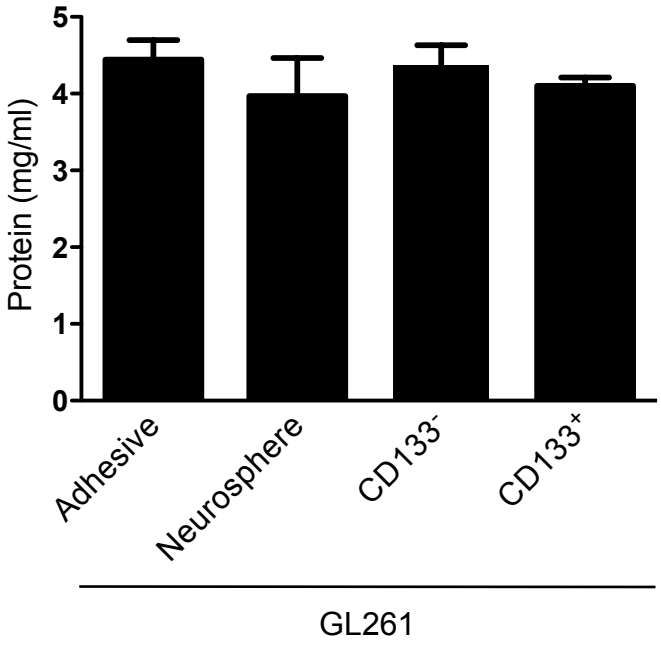


Supp. 1 The mouse cell line GL261 and RCAS-PDGFb murine tumor model used in the present study contains a population of CD133⁺ cells with increased tumorigenic potential, which is lost after differentiation.

(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.



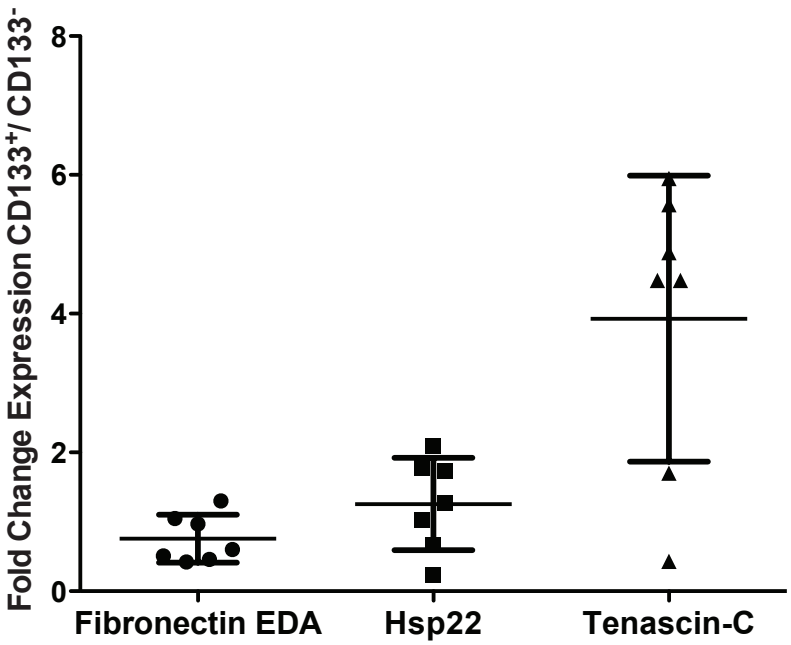
Supp. 2 Flow cytometric characterization of FACS sorted CD133⁺ GL261 cells
Representative histograms of GFAP, Sox2, Notch1 and CD133 expression of FACS sorted CD133⁺ GL261 cultured in stem cell medium (non-differentiated) and differentiated with 10% FCS. The gray label indicates isotype control. These data indicate that CD133 positive cells have the capacity to differentiate.



Supp. 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.

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

Supp. 4 Overview of resected tumor tissue samples used for qRT-PCR



Supp. 5 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.