

SUPPLEMENTAL MATERIAL:

Supplemental Data

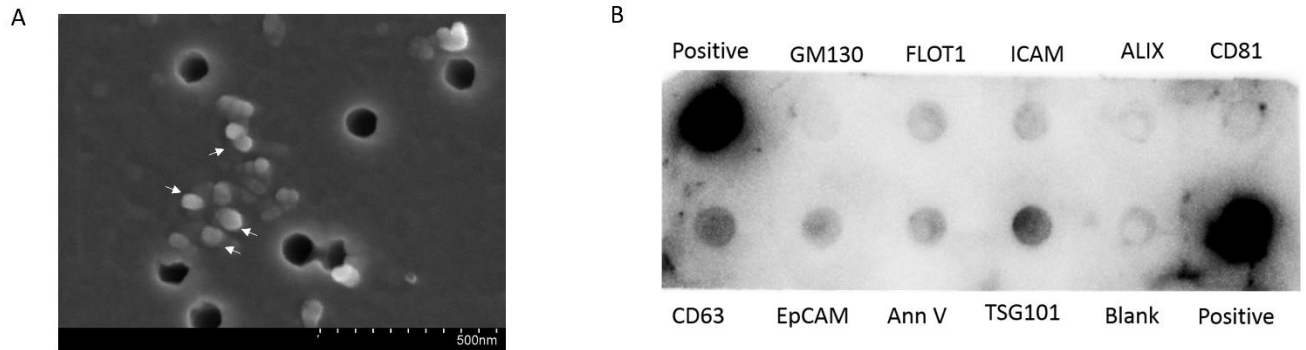


Figure S1. Characterization of exosomes isolated from human ovarian tumor ascites fluid. **(A)** Scanning electron microscopy reveals exosomes (white arrows) with a size distribution of 40-70 nm. **(B)** The vesicle composition was determined using an Exosome Antibody Array. Dark spots indicate presence of the marked protein. Absence of a spot for GM130 indicates absence of cellular contaminants in the preparation.

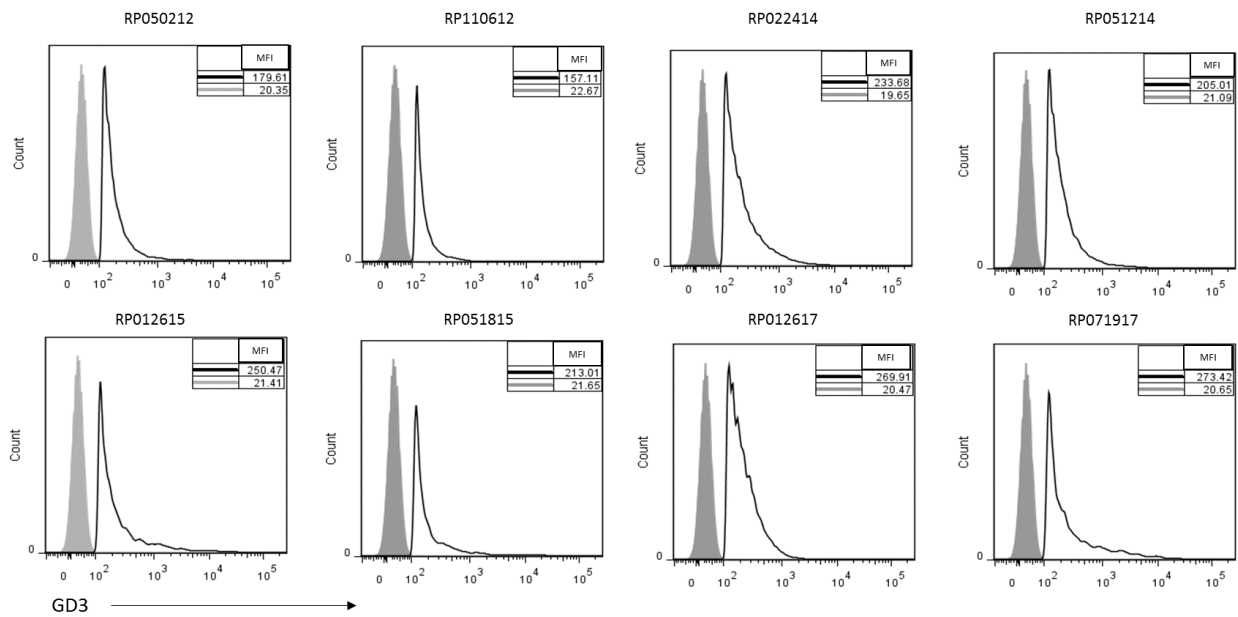


Figure S2. GD3 is present on exosomes derived from ovarian tumor ascites fluids. Exosomes derived from ascites fluids of 8 different ovarian cancer patients were attached to latex beads and labeled with secondary antibody only (filled histogram) or with anti-GD3 antibody followed by the secondary antibody (solid line) and data acquired using a flow cytometer. Mean fluorescence intensity of each sample with the respective secondary antibody control is shown in top right corner of each panel.

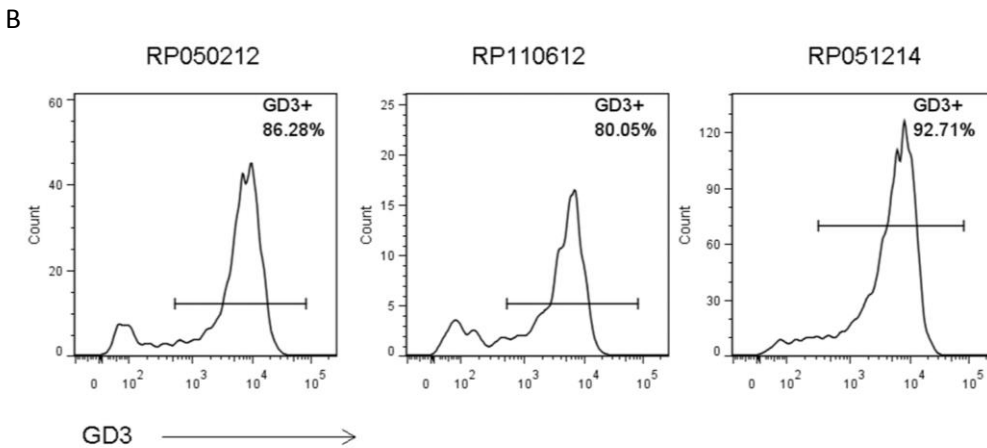
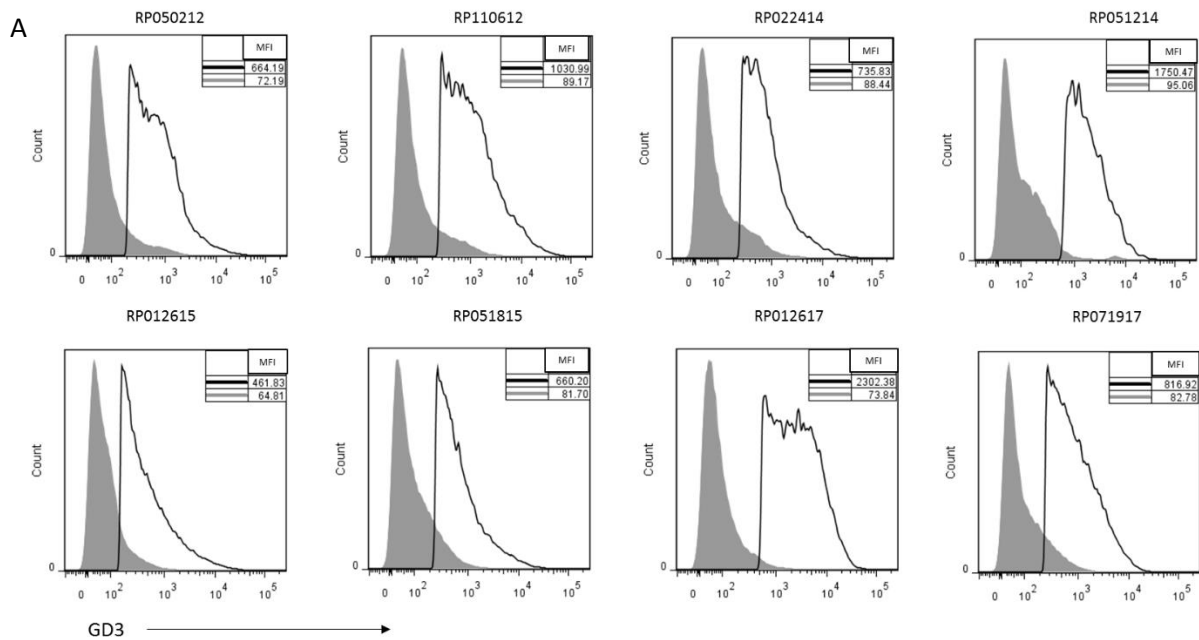


Figure S3. GD3 is present on ovarian tumor cells and tumor infiltrating T lymphocytes. **(A)** Expression of GD3 on the surface of ovarian tumor cells (EpCAM+) from 8 different patients was detected by flow cytometry. The cells were labeled with secondary antibody only (filled histogram) only or with anti-GD3 antibody followed by the secondary antibody (solid line) and data acquired using a flow cytometer. Mean fluorescence intensity of each sample with the respective secondary antibody control is shown in top right corner of each panel. **(B)** Expression of GD3 on the surface of T cells (CD3+) present in primary ovarian tumors from 3 different patients was determined by flow cytometry.

Supplementary Table 1. List of reagents used in flow cytometry and confocal microscopy.

Reagent	Fluorochrome	Manufacturer	Catalog #
anti-CD3	Unconjugated	BD Biosciences	347340
	PE		555333
	Pacific Blue		558117
anti-CD69	FITC		347823
anti-IFN- γ	APC		554702
anti-IL-2	PE		340450
EpCAM	PE	Miltenyi	130-098-115
anti-NF κ B p65	Unconjugated	Santa Cruz Biotechnology	sc-372
anti-GD3	Unconjugated	Genetex	GTX-11779
Goat anti-rabbit IgG	AlexaFluor 488	Life Technologies	A11008
Goat anti-mouse IgG	AlexaFluor 568		A11004
Goat anti-mouse IgG	AlexaFluor 488		A11029
Sytox Red	-		S34859