



Supplementary Materials: Tumor-infiltrating lymphocytes and cancer markers in osteosarcoma: influence on patient survival

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Table S1. Primary specifications of: antibodies, staining, and laboratorial techniques applied to the tumor tissue samples from OST patients.

Antibody Class	Target	Isotype	Clone	Reference	Brand	Antigenic recovery	Staining	Ventana Kit	Control tissue	Dil.	Staining	
Anti-human CD3	Mono	T cells.	Rabbit	A 452	DAKO corporation; CA, USA	Micro-wave, citrate buffer	Ventana	DAB detection Kit	Lymph node	01:50	Membrane	
Anti-human CD4	Mono	CD4 T cells	Rat / IgG1	1F6 NCI-CD4-IF6	Novocastra Laboratories Ltd; NCL, UK	Micro-wave, EDTA solution	Ventana	DAB high Intensity amplification Kit	Lymph node	01:20	Membrane	
Anti-human CD8	Mono	CD8 T cells	Rat / IgG1	C8/144B	M-7103	DAKO corporation; CA, USA	Micro-wave, citrate buffer	Ventana	Amplification Kit	Lymph node	01:20	Membrane
Anti-human TIA1	Mono	NK and CD8 T cells	Rat / IgG1	TIA-1	PN 6604593	Coulter Corporation Ltd; CA, USA	Micro-wave, citrate buffer	Ventana	Amplification Kit	Lymph node	0.146	Membrane (granules)
Anti-human CD20	Mono	B cells	Rat / IgG2a	L26	M 755	DAKO corporation; CA, USA	Micro-wave, citrate buffer	Ventana	DAB detection Kit	Lymph node	0.111	Membrane
Anti-human CD95/Fas	Mono	Apoptosis mediator	Rat / IgG1	APO-1	M3553	DAKO corporation; CA, USA	Protease 2	Manual	Lymph node / tonsil	01:10	Membrane or cytoplasm	
Anti-human Fas-L	Poly	Apoptosis mediator.	Rabbit	N-20	sc-834	Santa Cruz Biotechnology; CA, USA	Micro-wave, citrate buffer	Ventana	DAB detection Kit	Colon adenocarcinoma	01:25	Membrane or cytoplasm
Anti-human CD44s	Mono	Migration and cell signaling.	Rat / IgG1	DF 1485	M7082	DAKO corporation; CA, USA	Micro-wave, citrate buffer	Manual	Lymph node / tonsil	0.097	Membrane	
Anti-human CD44v6	Mono	Metastatic processes.	Rat / IgG1	VVF7	NCL-CD44v6	Novocastra Laboratories Ltd; NCL, UK	Micro-wave, citrate buffer	Ventana	DAB high Intensity amplification Kit	Colon adenocarcinoma with lymphatic metastases	01:50	Membrane
Anti-human p53	Mono	Apoptosis and cell cycle.	Rat / IgG2b	DO-7	M7001	DAKO corporation; CA, USA	Micro-wave, citrate buffer	Ventana	Amplification Kit	Breast adenocarcinoma	01:50	Nuclear
Anti-human P-glyco protein	Mono	Drug resistance.	Cow / IgG1	JBS-1	YM-9001	Accurate Chemical & Scientific Corporation; NY, USA.	Ventana	Amplification Kit	Kidney tissue	01:50	Membrane and Golgi complex	

Legend: Mono – Monoclonal; Poly – Polyclonal; Dil. – Dilution.

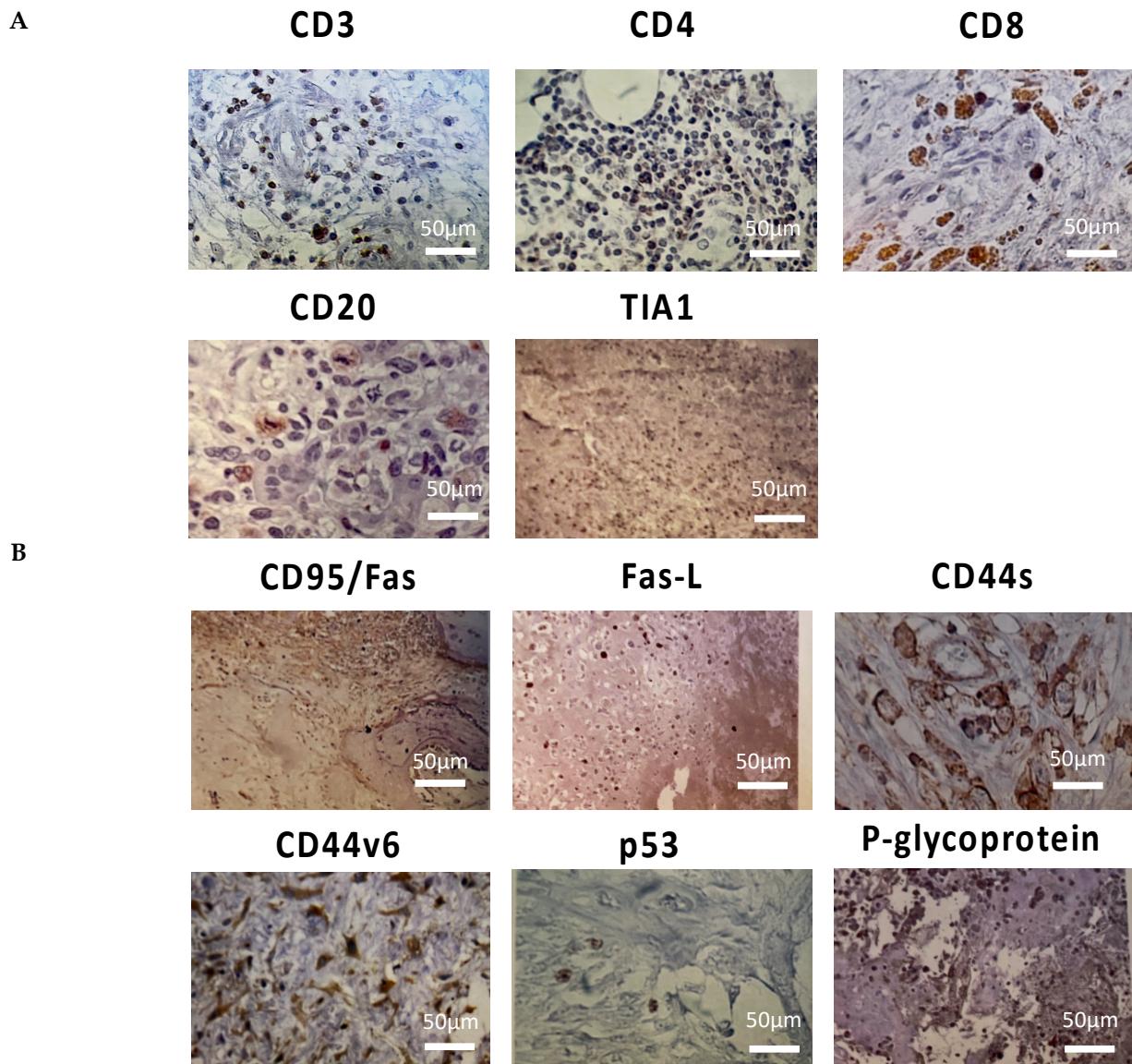


Figure S1. Immunohistochemistry representative images (400× amplification) of positive samples from OST patients for TIL infiltration and tumor markers expression. Scale bar, 50 µm.

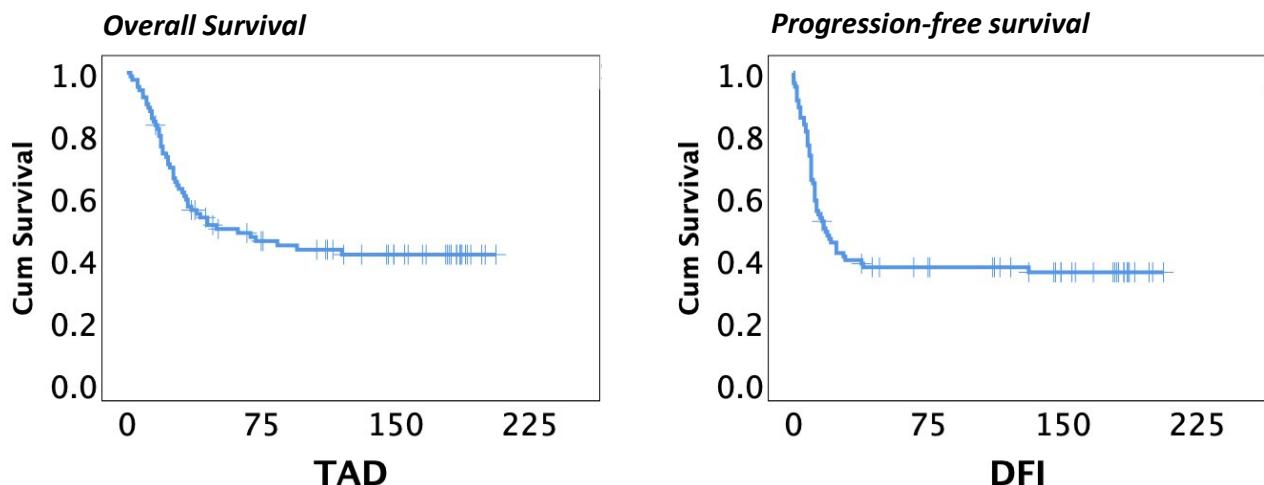


Figure S2. Overall survival and progression-free survival functions calculated for the OST patients enrolled in the study. TAD – Time after diagnosis (months); DFI – Disease-free interval (months).

Time to occurrence of metastases

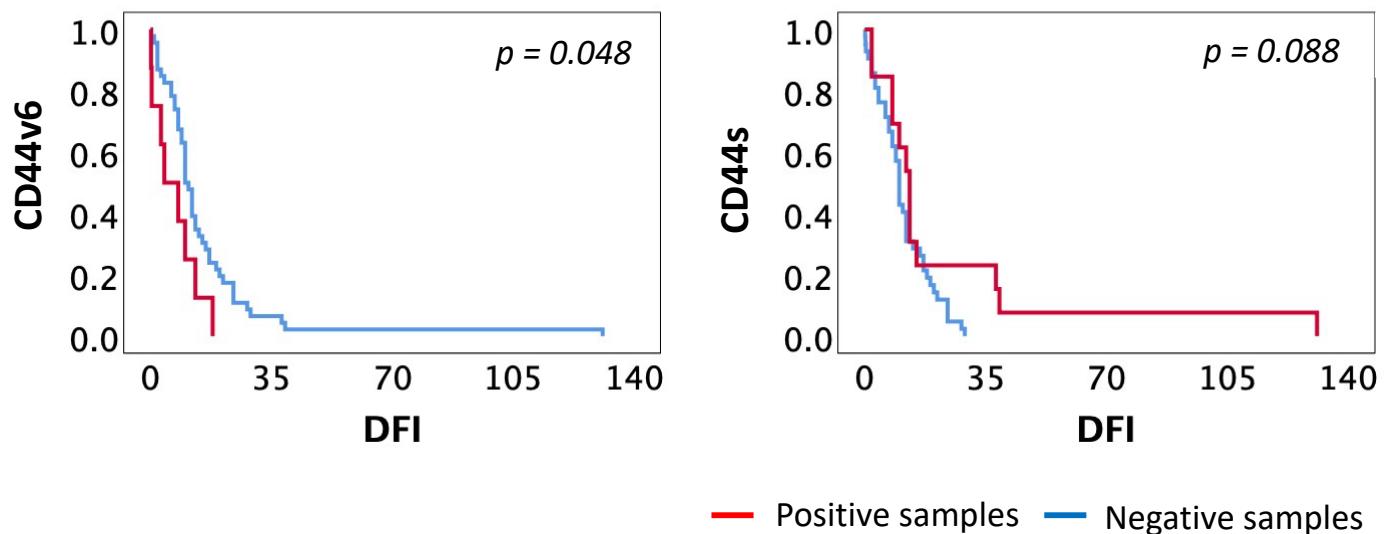


Figure S3. Time to the occurrence of metastasis regarding CD44v6 and CD44s expression calculated for the OST patients enrolled in the study. DFI – Disease-free interval (months).

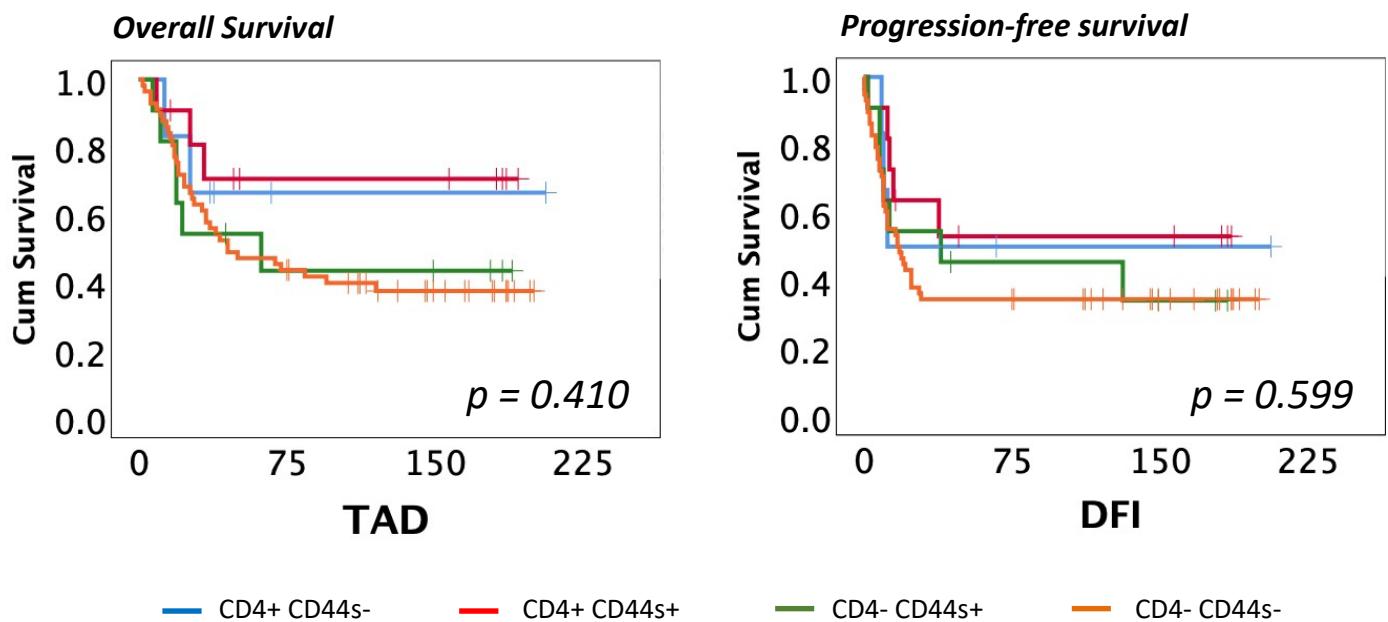


Figure S4. Overall and progression-free survival regarding the combination of positive and negative samples for CD4+ cells infiltration and CD44s expression calculated for the OST patients enrolled in the study. TAD – Time after diagnosis (months); DFI – Disease-free interval (months).

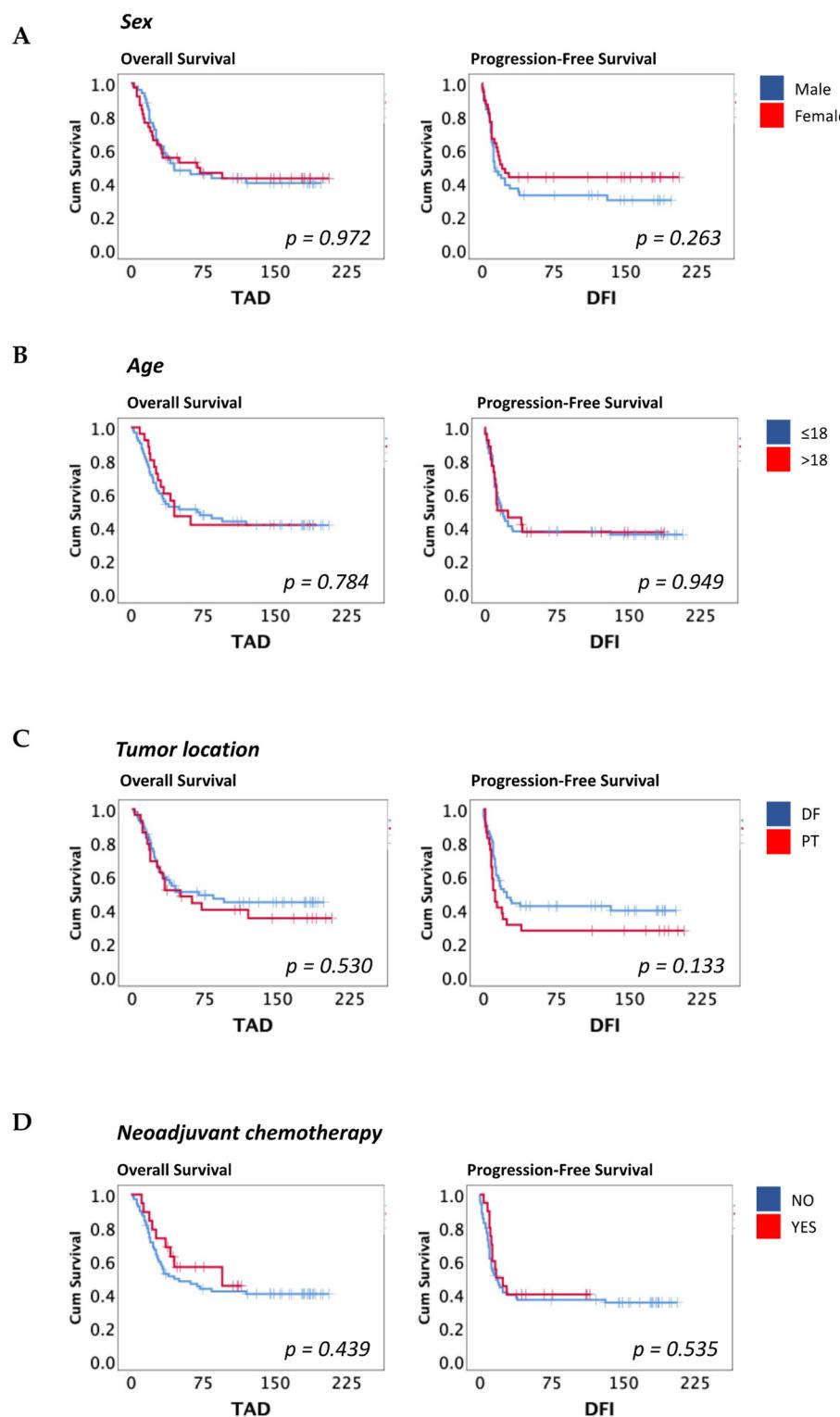


Figure S5. Overall survival and progression-free survival calculated for OST patients according to sex, age, tumor location and the use of neoadjuvant chemotherapy. TAD – Time after diagnosis (months); DFI – Disease-free interval (months).