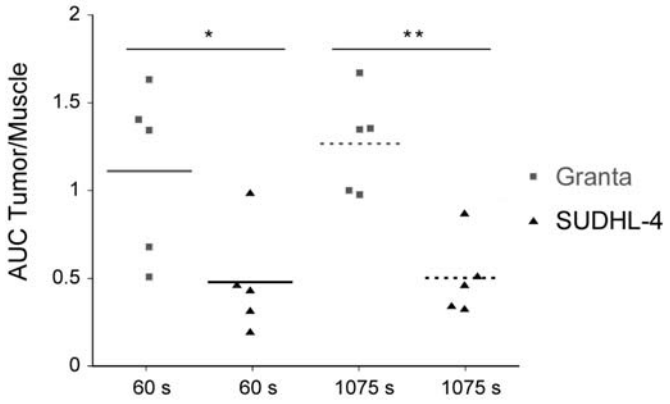
SUPPLEMENTAL TABLE 1. Biodistribution of Radioiodinated αCD20 Fabs 24 Hours After Injection

	^{125}I-Fab-ABD		^{125}I-Fab-PAS$_{200}$	
(%ID/g)	Granta-519*	SUDHL-4	Granta-519*	SUDHL-4
Tumor	12.3±3.5	5.79±1.93	2.41±0.76	1.22±0.33
Blood	11.5±0.2	15.1±4.0	0.59±0.24	1.34±0.31
Heart	3.54±0.45	4.52±1.57	0.19±0.09	0.77±0.68
Lung	5.36±0.41	6.98±2.29	0.43±0.18	0.81±0.17
Liver	2.03±0.08	2.88±0.69	0.18±0.06	0.43±0.10
Spleen	1.65±0.13	2.82±0.91	0.25±0.06	0.49±0.12
Kidney	2.63±0.32	4.13±1.19	0.92±0.33	1.94±0.44
Adrenal gland	2.75±0.47	2.34±0.99	0.37±0.12	0.44±0.21
Pancreas	1.31±0.17	2.05±0.30	0.19±0.07	0.38±0.06
Stomach	2.31±0.24	2.51±0.31	0.59±0.31	0.84±0.27
Small intestine	1.29±0.05	1.62±0.27	0.18±0.08	0.48±0.14
Large intestine	0.95±0.13	1.27±0.38	0.15±0.08	0.56±0.19
Muscle	0.64±0.06	0.82±0.15	0.11±0.04	0.15±0.05
Bone	0.85±0.19	1.37±0.70	0.14±0.03	0.20±0.06
Skin	3.02±0.13	2.70±0.34	0.31±0.09	0.49±0.12
Brain	0.28±0.03	0.34±0.11	0.02±0.01	0.04±0.01

*Data are from Mendler et al. (*8*).



SUPPLEMENTAL FIGURE 1. DCE MRI perfusion study. Tumor-to-muscle ratios of initial and total areas under the curve (AUC) calculated from the gadolinium-concentration curves (Fig. 4) show significantly lower perfusion of SUDHL-4 tumors than Granta-519 tumors (initial AUC until 60 s after bolus injection of gadolinium-DTPA (AUC-60): $P = 0.0317$; total AUC until 1,075 s after bolus injection (AUC-1075): $P = 0.0015$).

SUPPLEMENTAL VIDEO 1. Three-dimensional reconstruction and animation of Granta-519 xenograft from 250 optical sections (750 µm) stained in vivo with lectin for vessels (red) and Cy5-Fab-PAS_{200} (green). See legend for Figure 3.

SUPPLEMENTAL VIDEO 2. Three-dimensional reconstruction and animation of SUDHL-4 xenograft from 150 optical sections (750 µm) stained in vivo with lectin for vessels (red) and Cy5-Fab-PAS_{200} (green). See legend for Figure 3.

SUPPLEMENTAL VIDEO 3. Blowup of Granta-519 xenograft showing perivascular distribution of Fab-PAS_{200} (green). See legend for Figure 3.

SUPPLEMENTAL VIDEO 4. Blowup of SUDHL-4 xenograft showing intravascular localization of Fab-PAS_{200} (green). See legend for Figure 3.

SUPPLEMENTAL VIDEO 5. Focusing through a Granta-519 xenograft as shown in Figure 3.