

	Daudi tumor model					hCD20 B16 tumor model				
	Lungs	Liver	Kidney	Muscle	Tumor	Lungs	Liver	Kidney	Muscle	Tumor
^{99m} Tc-sdAb 9077	0.56 ± 0.21	0.64 ± 0.14	98.26 ± 13.5	0.31 ± 0.14	2.73 ± 1.06	0.52 ± 0.06	0.76 ± 0.1	129.3 ± 15.3	0.2 ± 0.06	5.01 ± 1.64
^{99m} Tc-sdAb 9078	0.75 ± 0.22	0.88 ± 0.17	100.21 ± 12.5	0.38 ± 0.09	2.07 ± 0.37	0.80 ± 0.13	1.08 ± 0.04	131.48 ± 14.45	0.36 ± 0.1	4.78 ± 0.44
^{99m} Tc-sdAb 9079	0.87 ± 0.22	0.97 ± 0.17	67.94 ± 7.23	0.49 ± 0.17	2.07 ± 0.37	0.81 ± 0.13	0.96 ± 0.07	89.39 ± 8.51	0.26 ± 0.11	3.68 ± 1.77
^{99m} Tc-sdAb 9080	0.67 ± 0.2	0.89 ± 0.15	101.5 ± 2.98	0.24 ± 0.05	2.7 ± 1.26	0.87 ± 0.14	1.39 ± 0.23	146.82 ± 14.85	0.40 ± 0.06	2.11 ± 0.5
^{99m} Tc-sdAb 9081	0.74 ± 0.22	0.86 ± 0.02	107.54 ± 5.46	0.43 ± 0.11	2.83 ± 0.43	0.70 ± 0.06	1.19 ± 0.15	169.14 ± 5.52	0.32 ± 0.02	3.47 ± 1.61
^{99m} Tc-sdAb 9256	0.88 ± 0.2	1.19 ± 0.19	95.08 ± 1.37	0.47 ± 0.04	2.02 ± 0.04	0.88 ± 0.13	1.77 ± 0.09	137.76 ± 7.40	0.44 ± 0.11	1.43 ± 0.04
^{99m} Tc-sdAb 9257	0.73 ± 0.15	1.10 ± 0.16	112.14 ± 7.09	0.29 ± 0.09	1.92 ± 0.23	0.83 ± 0.15	1.40 ± 0.05	158.19 ± 19.06	0.42 ± 0.10	1.54 ± 0.006
^{99m} Tc-sdAb 9258	0.52 ± 0.05	0.64 ± 0.06	102.74 ± 11.19	0.28 ± 0.04	1.76 ± 0.76	0.81 ± 0.07	1.22 ± 0.14	148.11 ± 10.96	0.39 ± 0.12	1.45 ± 0.21
^{99m} Tc-sdAb 9259	0.56 ± 0.06	0.62 ± 0.02	94.4 ± 8.21	0.26 ± 0.07	1.56 ± 0.29	0.83 ± 0.10	1.09 ± 0.16	145.35 ± 20.87	0.35 ± 0.20	1.80 ± 0.90
^{99m} Tc-sdAb 9260	0.67 ± 0.09	1.04 ± 0.24	109.2 ± 5	0.48 ± 0.27	2.04 ± 0.45	0.86 ± 0.10	1.55 ± 0.07	151.90 ± 16.05	0.58 ± 0.18	1.37 ± 0.53
^{99m} Tc-sdAb 9261	0.65 ± 0.1	0.99 ± 0.15	105.96 ± 19.43	0.38 ± 0.19	2.57 ± 0.96	0.90 ± 0.17	1.34 ± 0.15	154.53 ± 27.77	0.49 ± 0.04	2.45 ± 0.86
^{99m} Tc-sdAb 9262	0.52 ± 0.10	0.79 ± 0.03	97.12 ± 19.2	0.24 ± 0.02	2.35 ± 0.18	0.95 ± 0.08	1.6 ± 0.23	132.46 ± 23.77	0.47 ± 0.10	3.06 ± 1.26
^{99m} Tc-sdAb 9263	0.62 ± 0.11	0.71 ± 0.06	91.75 ± 11.8	0.28 ± 0.07	1.87 ± 0.87	0.73 ± 0.30	0.98 ± 0.07	150.68 ± 20.36	0.32 ± 0.08	1.19 ± 0.68
^{99m} Tc-sdAb 9264	0.55 ± 0.14	0.76 ± 0.07	110.85 ± 7.28	0.28 ± 0.03	2.83 ± 0.53	0.78 ± 0.07	1.0 ± 0.09	148.56 ± 11.25	0.30 ± 0.10	2.33 ± 0.91
^{99m} Tc-ctrl sdAb	0.48 ± 0.17	0.66 ± 0.07	101.98 ± 6.23	0.31 ± 0.11	0.34 ± 0.09	0.51 ± 0.15	0.60 ± 0.15	145.36 ± 22.68	0.24 ± 0.02	0.32 ± 0.51

Supplemental Table S1: Quantification of *in vivo* biodistribution of 14 anti-hCD20 sdAbs, radiolabeled with ^{99m}Tc, obtained after 1 h p.i., expressed as mean % IA/cm³ ± SD (n = 3 per sdAb).