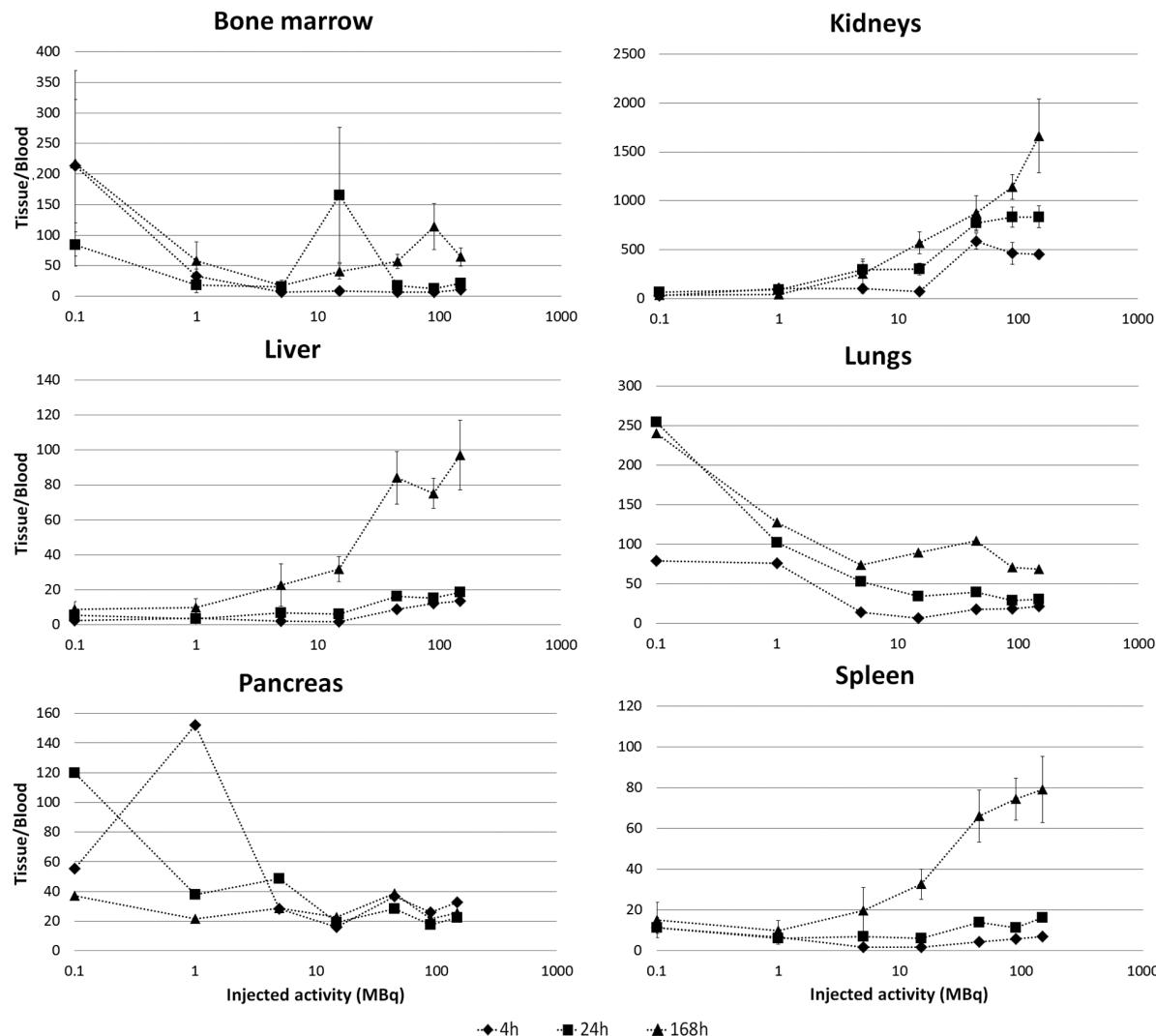


Supplementary material for Schüller et al., The amount of injected ^{177}Lu -octreotide strongly influences biodistribution and dosimetry in C57BL/6N mice, Acta Oncologica, 2015; doi: 10.3109/0284186X.2015.1027001.



Supplementary Figure 1. The Ti/B activity concentration ratio versus injected amount of ^{177}Lu -octreotide (0.1–150 MBq) for the different tissues studied. Values are given for the time points of 4 h, 24 h, and 7 days after injection. Error bars represent SEM. Note the logarithmic scale of the x-axes.

Supplementary Table I. Biodistribution in various animal models. ^{177}Lu activity concentration (SEM) in normal tissues one and seven days after ^{177}Lu -octreotide administration in mice of different strains. The studies on BALB/c mice were conducted on tumor bearing mice.

Tissue	Present study				Dalmo et al.		Schmitt et al.		Kölbl et al.	de Araújo et al.
	0.2 µg		0.6 µg		0.2 µg	0.7 µg	0.25 µg	1 µg	0.25 µg	1 µg
	1d	7d	1d	7d	1d	7d	1d	7d	1d	1d
Blood	0.03 (0.0083)	0.0074 (0.0024)	0.024 (0.0047)	0.0018 (0.00035)	0.020 (0.006)	0.0027 (0.0007)	0.0080 (0.001)	0.0010 (0.000)	—	0.060 (0.006)
Kidneys	9.1 (0.66)	1.9 (0.94)	7.2 (0.19)	1.0 (0.039)	5.0 (0.1)	0.62 (0.13)	2.2 (0.32)	0.27 (0.032)	6–8	4.4 (1.0)
Liver	0.21 (0.016)	0.17 (0.072)	0.15 (0.0075)	0.058 (0.0062)	0.14 (0.01)	0.048 (0.048)	0.10 (0.006)	0.068 (0.005)	—	0.40 (0.06)
Pancreas	1.5 (0.12)	0.21 (0.037)	0.46 (0.029)	0.042 (0.0047)	2.0 (0.4)	0.28 (0.04)	0.41 (0.038)	0.032 (0.002)	—	1.6 (1.0)
Spleen	0.22 (0.034)	0.15 (0.070)	0.15 (0.0095)	0.060 (0.0068)	0.12 (0.01)	0.058 (0.006)	0.12 (0.016)	0.032 (0.004)	—	0.30 (0.06)