



Supplementary Figure S1. Characterization of anti-MUC4-IR800 and IgG-IR800 conjugations. (A) SDS gel showing the fluorescent band below 10 kDa for IRDye800 and ~150 kDa for the anti-MUC4-IR800 conjugate. Dye/Protein ratio 1.42. (B) SDS gel showing the fluorescent band below 10 kDa for IRDye800 and ~150 kDa for the IgG-IR800 conjugate. Dye/Protein ratio 1.04.

Supplementary Table S1: Mean fluorescence intensity (mFI) values of orthotopic tumors, normal pancreas, and the liver for individual mice bearing SW1990 tumors, treated with IgG-IR800. Calculated tumor-to-liver ratios (TLR) and tumor-to-pancreas ratios (TPR). SE: Standard Error.

Mouse	Tumor (mFI)	Normal Pancreas (mFI)	Liver (mFI)	Tumor/Liver (TLR)	Tumor/Pancreas (TPR)
1	0.194	0.103	0.188	1.03	1.88
2	0.181	0.135	0.200	0.91	1.34
3	0.233	0.160	0.278	0.84	1.46
4	0.169	0.085	0.165	1.02	1.99
Average(±SE)	0.194(±0.013)	0.121(±0.016)	0.208(±0.040)	0.95(±0.047)	1.67(±0.157)

Supplementary Table S2: Mean fluorescence intensity (mFI) values of orthotopic tumors, normal pancreas, and the liver for individual mice bearing CD18/HPAF tumors, treated with IgG-IR800. Calculated tumor-to-liver ratios (TLR) and tumor-to-pancreas ratios (TPR). SE: Standard Error.

Mouse	Tumor (mFI)	Normal Pancreas (mFI)	Liver (mFI)	Tumor/Liver (TLR)	Tumor/Pancreas (TPR)
1	0.265	0.185	0.240	1.10	1.43
2	0.341	0.161	0.269	1.27	2.12
3	0.305	0.123	0.201	1.52	2.48
4	0.262	0.230	0.294	0.89	1.14
5	0.192	0.142	0.069	2.78	1.35
Average(±SE)	0.273(±0.024)	0.168(±0.018)	0.215(±0.039)	1.51(±0.332)	1.70(±0.253)