

Correction: Pharmacokinetics of Anti-CEA scFv-Fc and Variants

In the article on pharmacokinetics of anti-CEA scFv-Fc and variants in the January 15, 2005 issue of *Cancer Research* (1), there are three errors in Table 1. In the first line under ¹³¹I-scFv-Fc I253A (Blood), the value under the fifth column (6 hours) should be 22.5 (0.54); in the first line under ¹²⁵I-scFv-Fc H310A (Blood), the value under the fourth column (4 hours) should be 25.0 (0.74); and in the

first line under ¹³¹I-scFv-Fc H310A/H435Q (Blood), the value under the sixth column (12 hours) should be 10.7 (0.46). The corrected Table appears below.

1. Kenanova V, Olafsen T, Crow DM, Sundaresan G, Subbarayan M, Carter NH, Ikle DN, Yazaki PJ, Chatziannou AF, Gambhir SS, Williams LE, Shively JE, Colcher D, Raubitschek AA, Wu AM. Tailoring the pharmacokinetics and positron emission tomography imaging properties of anti-carcinoembryonic antigen single-chain Fv-Fc antibody fragments. *Cancer Res* 2005;65:622-31.

Table 1. Biodistribution of ¹²⁵I and ¹³¹I-labeled T84.66 scFv-Fc fragments in BALB/c mice

Organ (%ID/g)	0	2	4	6	12	24	48	72
¹²⁵I-scFv-Fc wild-type								
Blood	45.7 (2.86)	39.2 (1.17)	34.4 (1.21)	30.3 (0.61)	25.6 (0.70)	21.4 (0.76)	19.9 (1.17)	19.0 (0.54)
Liver	10.7 (0.78)	9.16 (0.24)	8.31 (0.14)	7.28 (0.36)	5.43 (0.18)	5.52 (0.35)	4.72 (0.15)	4.57 (0.27)
Spleen	16.3 (1.42)	13.3 (0.39)	10.9 (0.34)	9.90 (1.00)	6.98 (0.35)	6.49 (0.27)	5.89 (0.46)	6.18 (0.35)
Kidney	10.7 (0.95)	9.65 (0.90)	8.89 (0.76)	7.82 (0.49)	7.58 (0.23)	5.89 (0.25)	5.99 (0.32)	5.86 (0.23)
Lung	15.3 (1.58)	13.8 (0.52)	13.2 (0.44)	13.0 (0.61)	10.8 (0.66)	8.84 (0.36)	9.22 (0.30)	9.49 (0.35)
Bone	4.19 (0.39)	4.84 (0.33)	3.90 (0.14)	3.90 (0.15)	3.29 (0.18)	2.93 (0.09)	2.69 (0.27)	2.64 (0.13)
Carcass	1.94 (0.13)	2.44 (0.07)	2.52 (0.06)	2.50 (0.04)	2.62 (0.04)	2.63 (0.10)	2.41 (0.06)	2.68 (0.06)
¹²⁵I-scFv-Fc H435R								
Blood	46.3 (1.38)	35.1 (2.41)	29.9 (0.73)	28.1 (0.67)	24.7 (0.98)	21.1 (0.49)	17.1 (0.42)	15.4 (0.24)
Liver	12.8 (0.29)	10.3 (0.56)	9.27 (0.36)	8.80 (0.22)	6.06 (0.34)	5.43 (0.35)	4.22 (0.12)	3.86 (0.20)
Spleen	16.8 (0.66)	13.3 (1.06)	11.5 (0.62)	10.1 (0.56)	8.01 (0.37)	7.05 (0.46)	5.45 (0.34)	4.86 (0.24)
Kidney	12.3 (0.52)	10.8 (0.67)	9.49 (0.40)	8.66 (0.59)	7.17 (0.50)	5.76 (0.30)	4.51 (0.23)	3.90 (0.24)
Lung	14.1 (0.80)	13.6 (1.24)	11.5 (0.59)	11.4 (0.43)	10.6 (0.66)	8.74 (0.27)	7.43 (0.17)	6.58 (0.24)
Bone	4.39 (0.45)	4.34 (0.32)	3.88 (0.31)	3.21 (0.17)	3.35 (0.19)	2.87 (0.12)	2.25 (0.05)	2.11 (0.14)
Carcass	1.69 (0.12)	2.32 (0.08)	2.37 (0.08)	2.39 (0.06)	2.55 (0.07)	2.42 (0.06)	2.23 (0.05)	2.03 (0.07)
¹³¹I-scFv-Fc H435Q								
Blood	48.9 (1.20)	35.6 (2.49)	30.0 (0.81)	27.4 (0.66)	24.5 (0.98)	19.7 (0.43)	14.3 (0.43)	11.5 (0.21)
Liver	9.46 (0.47)	7.41 (0.43)	6.85 (0.20)	6.56 (0.23)	5.06 (0.29)	4.05 (0.22)	2.90 (0.12)	2.34 (0.12)
Spleen	12.2 (0.44)	9.06 (0.82)	8.68 (0.39)	7.67 (0.51)	6.40 (0.33)	5.64 (0.40)	3.98 (0.30)	3.17 (0.17)
Kidney	12.0 (0.44)	9.56 (0.64)	8.70 (0.43)	7.77 (0.57)	6.69 (0.49)	5.07 (0.30)	3.53 (0.19)	2.74 (0.18)
Lung	14.0 (0.81)	12.7 (1.20)	10.8 (0.53)	10.3 (0.45)	9.89 (0.64)	7.84 (0.28)	5.65 (0.15)	4.55 (0.19)
Bone	4.08 (0.37)	3.87 (0.29)	3.51 (0.24)	2.85 (0.15)	3.17 (0.19)	2.60 (0.13)	1.81 (0.05)	1.51 (0.09)
Carcass	1.84 (0.12)	2.44 (0.07)	2.50 (0.09)	2.49 (0.07)	2.59 (0.08)	2.40 (0.07)	1.94 (0.05)	1.61 (0.06)
¹³¹I-scFv-Fc I253A								
Blood	48.1 (3.17)	33.1 (0.97)	27.1 (1.06)	22.5 (0.54)	17.4 (0.46)	12.7 (0.44)	9.58 (0.63)	7.76 (0.22)
Liver	11.1 (0.73)	7.47 (0.14)	6.17 (0.17)	5.15 (0.26)	3.55 (0.09)	3.11 (0.16)	2.14 (0.10)	1.81 (0.10)
Spleen	13.9 (1.17)	9.64 (0.22)	7.78 (0.31)	6.60 (0.60)	4.25 (0.20)	3.58 (0.15)	2.58 (0.19)	2.35 (0.13)
Kidney	11.2 (0.91)	7.98 (0.65)	6.79 (0.59)	5.70 (0.37)	4.96 (0.18)	3.46 (0.14)	2.79 (0.18)	2.39 (0.10)
Lung	14.7 (1.53)	11.5 (0.39)	10.2 (0.39)	9.38 (0.44)	7.03 (0.43)	5.16 (0.21)	4.11 (0.16)	3.64 (0.15)
Bone	3.92 (0.37)	3.95 (0.25)	3.05 (0.15)	2.85 (0.09)	2.17 (0.13)	1.72 (0.05)	1.27 (0.14)	1.14 (0.07)
Carcass	2.02 (0.17)	2.53 (0.07)	2.41 (0.10)	2.17 (0.04)	2.01 (0.03)	1.87 (0.08)	1.35 (0.05)	1.39 (0.04)
¹²⁵I-scFv-Fc H310A								
Blood	53.2 (2.08)	31.1 (0.57)	25.0 (0.74)	21.6 (0.55)	14.4 (0.52)	9.85 (0.32)	6.18 (0.19)	4.15 (0.26)
Liver	16.8 (0.58)	7.90 (0.11)	6.88 (0.22)	6.23 (0.41)	3.61 (0.07)	2.52 (0.10)	1.52 (0.05)	1.15 (0.06)
Spleen	13.5 (0.65)	7.34 (0.16)	7.18 (0.19)	5.82 (0.50)	3.75 (0.10)	2.84 (0.18)	1.71 (0.11)	1.26 (0.09)
Kidney	16.2 (0.52)	8.63 (0.29)	7.10 (0.41)	6.53 (0.29)	4.23 (0.08)	2.86 (0.04)	1.87 (0.07)	1.32 (0.06)
Lung	14.6 (0.79)	11.8 (0.50)	9.22 (0.28)	8.40 (0.20)	6.05 (0.29)	4.13 (0.15)	2.57 (0.06)	1.82 (0.13)
Bone	4.48 (0.18)	3.52 (0.19)	3.08 (0.22)	2.59 (0.16)	2.00 (0.10)	1.33 (0.06)	0.76 (0.03)	0.64 (0.03)
Carcass	2.50 (0.15)	2.70 (0.12)	2.73 (0.12)	2.57 (0.17)	2.02 (0.03)	1.66 (0.05)	1.21 (0.05)	0.95 (0.03)
¹³¹I-scFv-Fc H310A/H435Q								
Blood	57.4 (2.00)	32.0 (0.64)	24.0 (0.75)	19.4 (0.50)	10.7 (0.46)	4.47 (0.18)	1.06 (0.03)	0.32 (0.03)
Liver	13.5 (0.48)	6.85 (0.07)	5.41 (0.18)	4.46 (0.33)	2.18 (0.05)	0.97 (0.04)	0.33 (0.01)	0.20 (0.01)

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Table 1. Biodistribution of ^{125}I and ^{131}I -labeled T84.66 scFv-Fc fragments in BALB/c mice (Cont'd)

Organ (%ID/g)	0	2	4	6	12	24	48	72
Spleen	12.6 (0.63)	6.88 (0.18)	6.39 (0.11)	4.95 (0.43)	2.63 (0.07)	1.25 (0.10)	0.31 (0.02)	0.10 (0.01)
Kidney	12.6 (0.58)	7.85 (0.29)	6.18 (0.35)	5.41 (0.27)	2.94 (0.06)	1.25 (0.04)	0.35 (0.01)	0.14 (0.01)
Lung	14.2 (0.76)	11.5 (0.53)	8.67 (0.30)	5.76 (1.46)	4.56 (0.34)	1.89 (0.07)	0.48 (0.01)	0.18 (0.02)
Bone	4.28 (0.14)	3.51 (0.18)	3.02 (0.23)	2.43 (0.22)	1.59 (0.09)	0.67 (0.05)	0.19 (0.02)	0.03 (0.01)
Carcass	2.27 (0.16)	2.57 (0.12)	2.59 (0.13)	2.33 (0.16)	1.60 (0.05)	0.94 (0.04)	0.51 (0.05)	0.35 (0.02)

NOTE: Groups of five mice were analyzed at each time point. Organ uptake is expressed as %ID/g [mean (SE)].

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