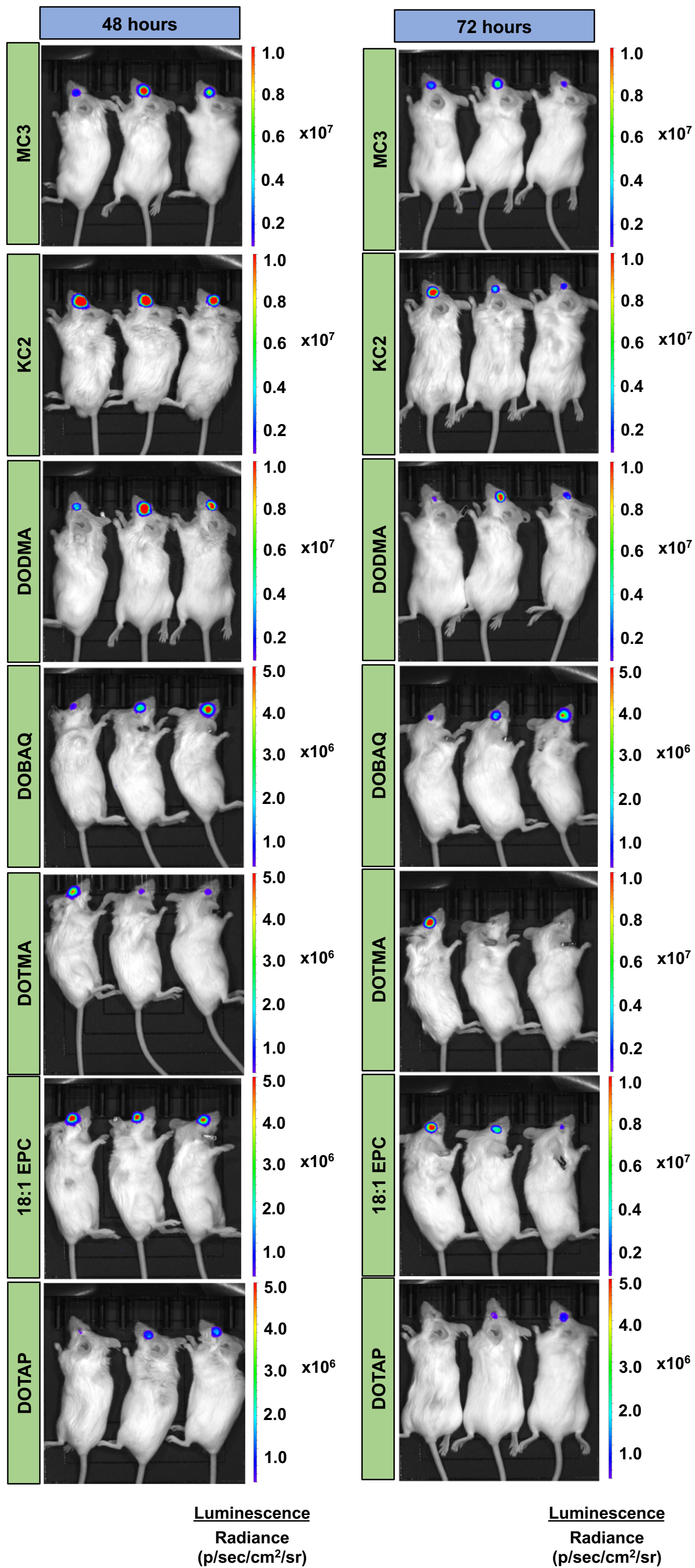
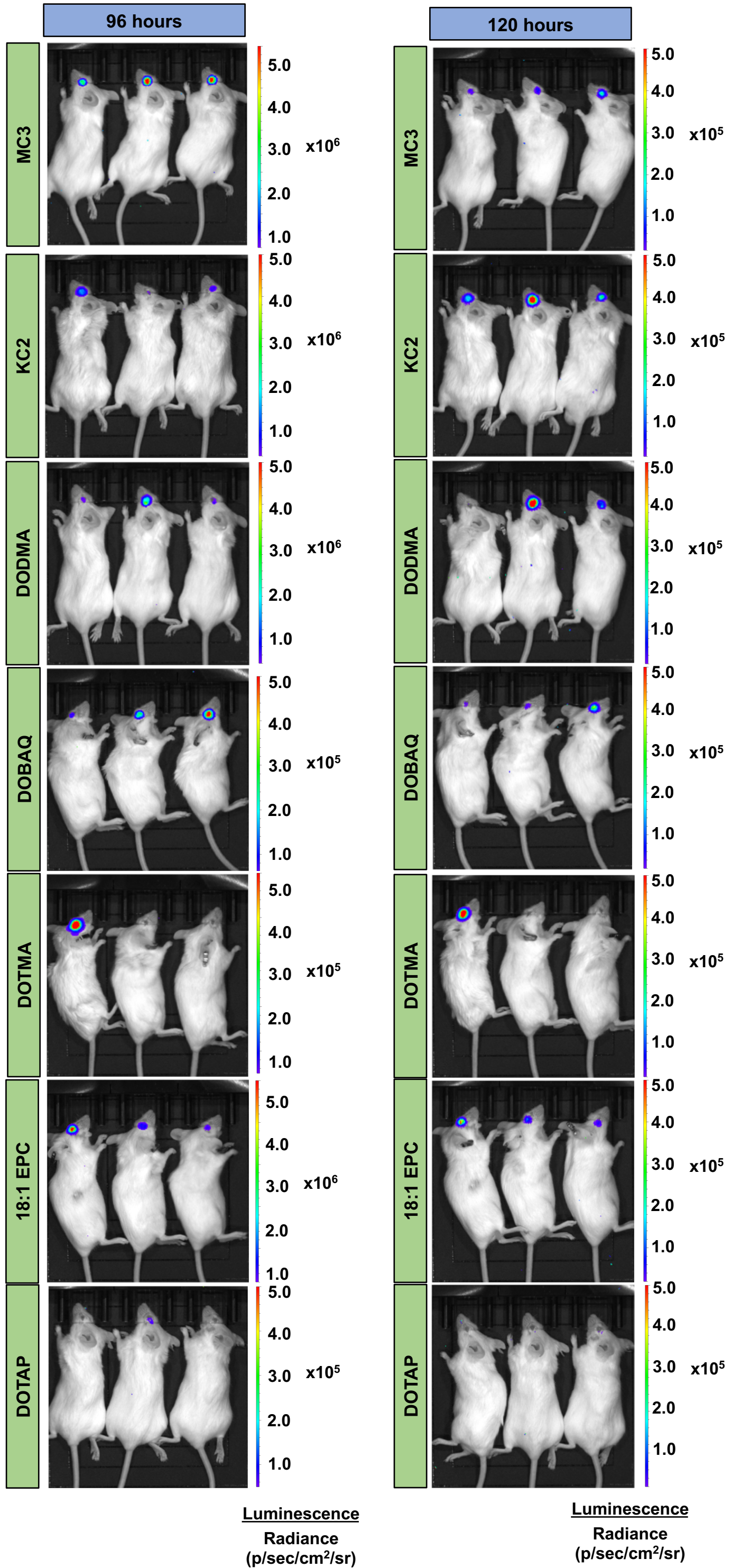


Supplementary Figure 1



Supplementary Figure 1 (Continued)



Supplementary Figure 2

a.

Time (h)	Group I						Group II							
	MC3		KC2		DODMA		DOBAQ		DOTMA		18:1 EPC		DOTAP	
	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM
24	9.0E+07	5.5E+07	8.8E+07	2.0E+07	3.3E+07	2.4E+07	4.5E+06	3.6E+06	1.0E+06	2.5E+05	1.3E+06	3.8E+05	3.9E+05	1.9E+05
48	7.5E+06	3.4E+06	3.8E+07	9.0E+06	1.3E+07	6.6E+06	5.3E+06	4.2E+06	8.8E+05	6.4E+05	4.6E+06	1.4E+06	5.1E+05	2.0E+05
72	2.1E+06	1.3E+06	1.3E+07	6.6E+06	3.5E+06	2.3E+06	1.6E+06	8.3E+05	6.0E+06	5.9E+06	4.3E+06	1.6E+06	3.7E+05	1.7E+05
96	7.4E+05	3.2E+05	2.6E+06	1.6E+06	7.8E+05	5.7E+05	2.4E+05	1.4E+05	3.7E+06	3.6E+06	1.5E+06	9.4E+05	4.3E+04	0.0E+00
120	1.3E+05	4.7E+04	9.3E+05	4.1E+05	2.5E+05	2.1E+05	8.1E+04	6.0E+04	2.8E+06	2.8E+06	1.3E+05	6.1E+04	1.1E+04	2.5E+02

b.

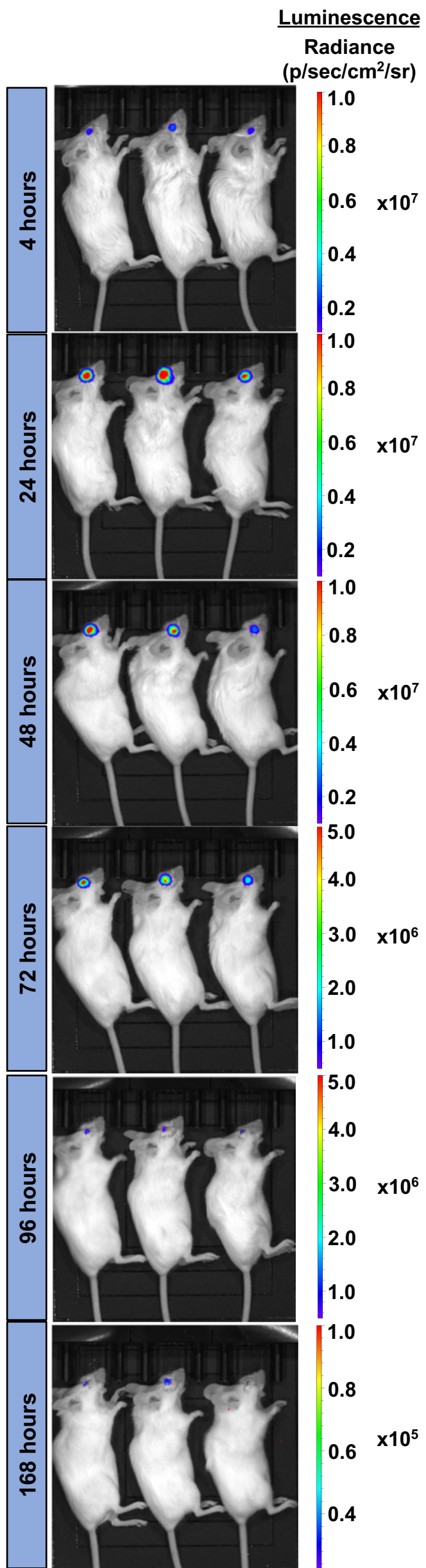
Comparison	MC3		KC2				DODMA				DOBAQ	
	18:1 EPC	DOTAP	DODMA	DOBAQ	DOTMA	18:1 EPC	DOTAP	DOBAQ	DOTMA	18:1 EPC	DOTAP	DOTAP
24 hours	0.021	0.036	0.002	<0.001	<0.001	<0.001	<0.001	0.043	0.016	0.003	0.009	0.041
48 hours	NS	NS	NS	0.03	0.01	0.008	0.009	NS	NS	NS	NS	NS

Supplementary Figure 3

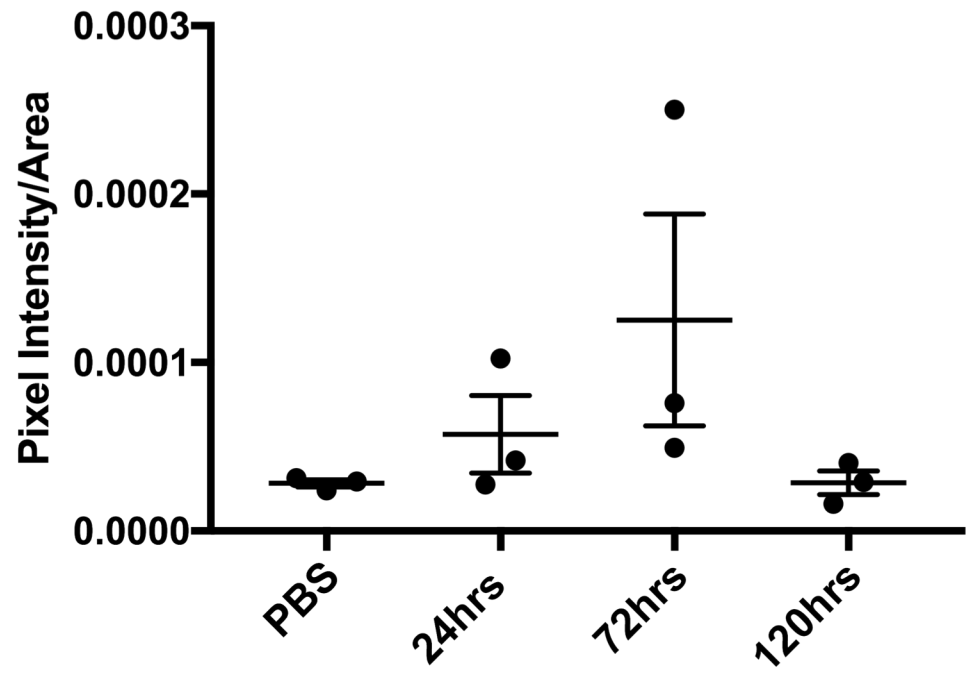
Cationic Lipid	Group I			Group II			
	MC3	KC2	DODMA	DOBAQ	DOTMA	18:1 EPC	DOTAP
Encapsulation (%)	98.8	97.8	95.1	71.2	99.4	99.2	99.4
Size (nm)	103.6 ± 31.9	229.4 ± 156.5	83.2 ± 30.0	236.9 ± 150.6	100.2 ± 83.27	94.3 ± 112.4	89.6 ± 56.4
PDI	0.085	0.279	0.144	0.269	0.234	0.271	0.213

Supplementary Figure 4

a.



b.



c.

