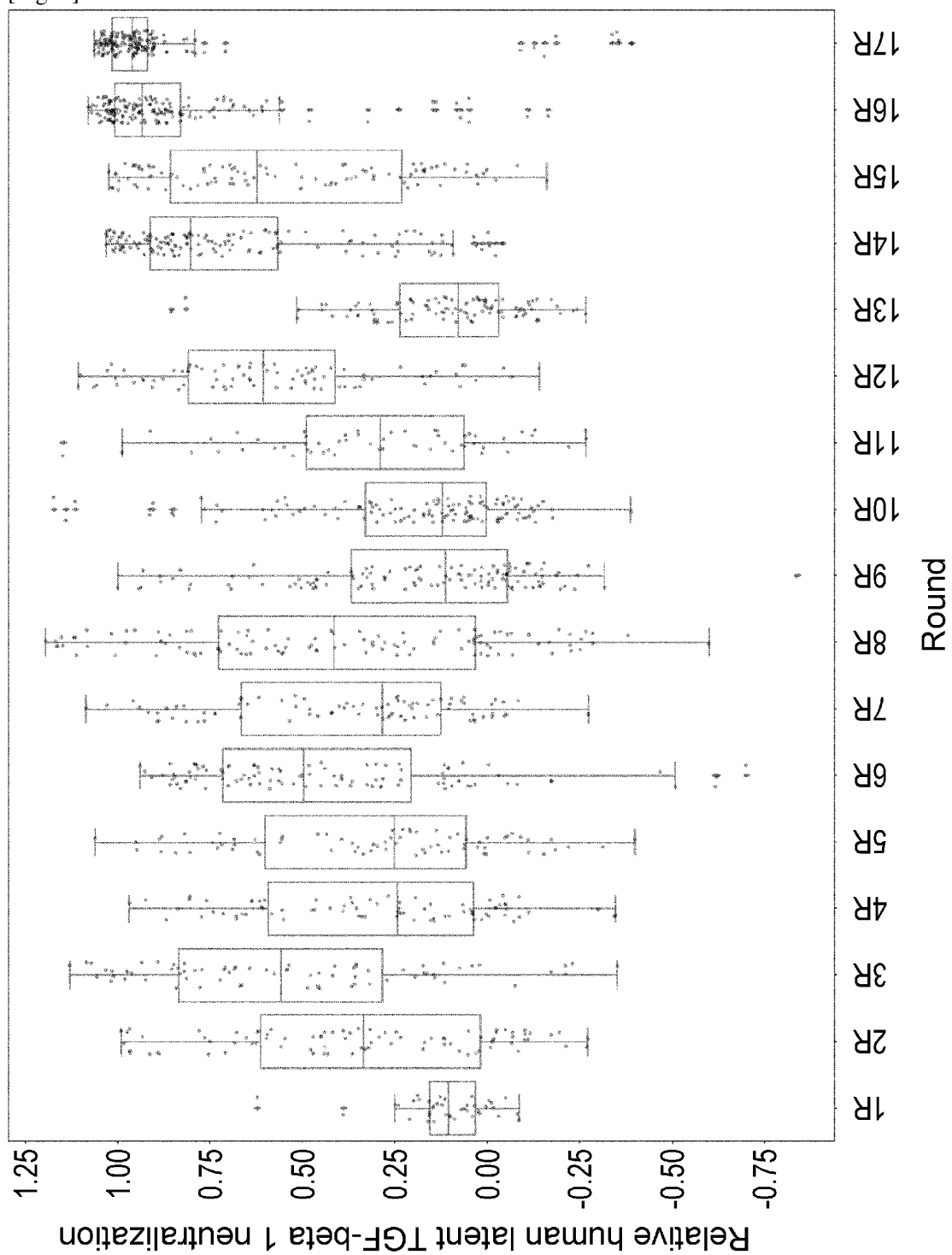


[Fig. 1]

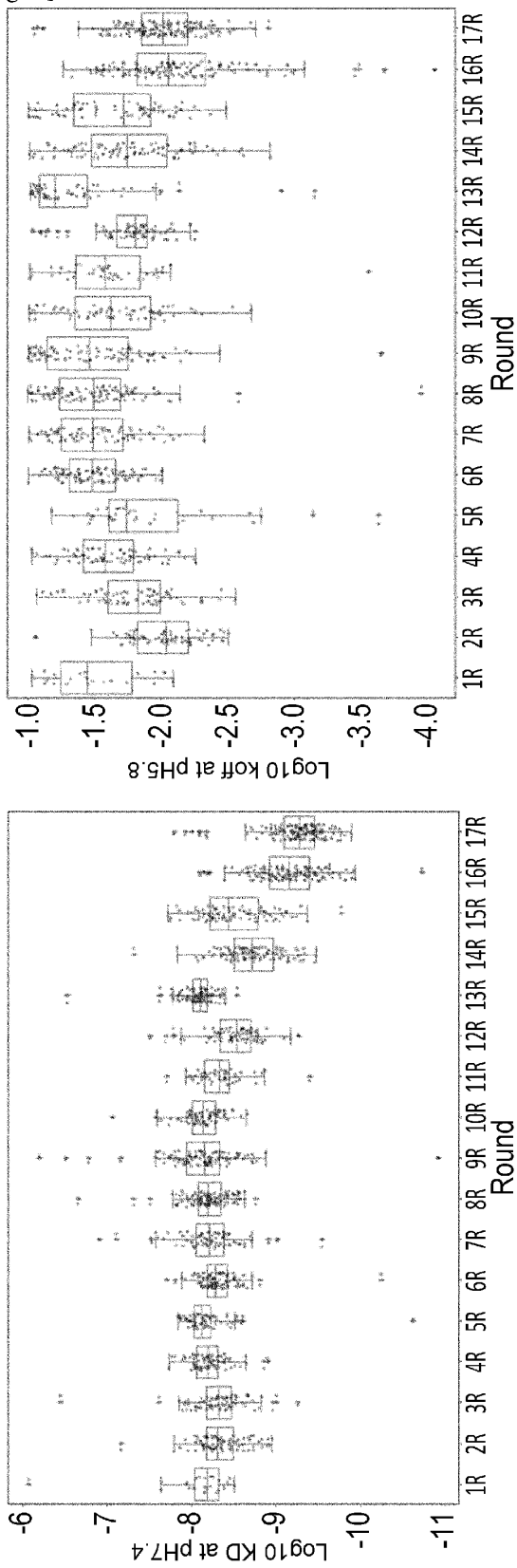


[Fig. 2]

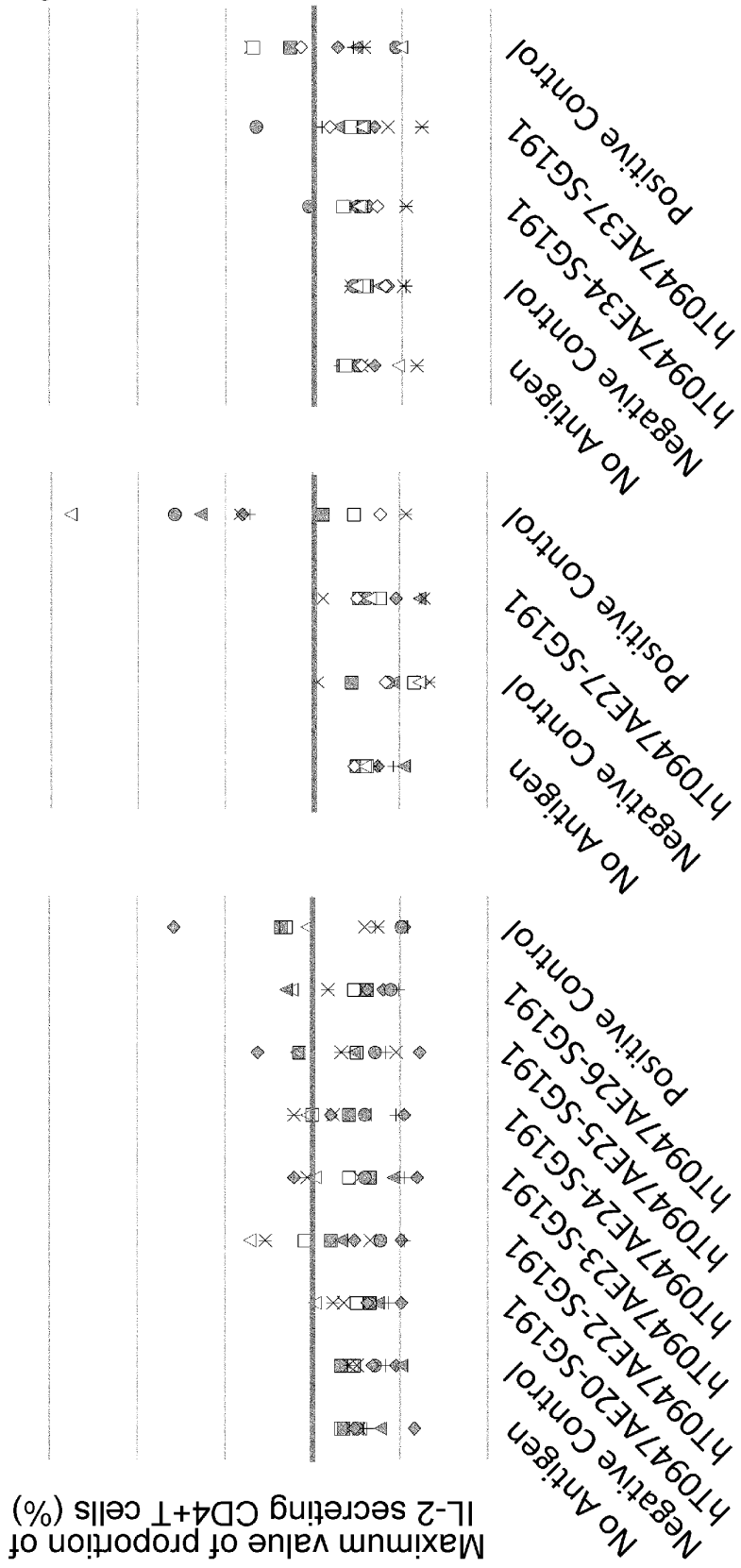
Antibody name	Analyte	pH 7.4		
		ka (1/Ms)	kd (1/s)	KD (M)
hT0947AE20-SG181	human latent TGF-beta 1	3.77E+05	1.11E-03	2.95E-09
hT0947AE22-SG181	human latent TGF-beta 1	3.44E+05	1.24E-03	3.60E-09
hT0947AE23-SG181	human latent TGF-beta 1	3.33E+05	1.08E-03	3.25E-09
hT0947AE24-SG181	human latent TGF-beta 1	3.93E+05	1.00E-03	2.55E-09
hT0947AE25-SG181	human latent TGF-beta 1	3.91E+05	1.52E-03	3.88E-09
hT0947AE26-SG181	human latent TGF-beta 1	3.61E+05	1.20E-03	3.33E-09
T0947H0053H0156-SG181/T0947L001L0049-SK1	human latent TGF-beta 1	1.11E+06	1.50E-02	1.34E-08
hT0947AE07-SG181	human latent TGF-beta 1	5.75E+05	5.89E-04	1.02E-09

Antibody name	Analyte	pH 7.4		
		ka (1/Ms)	kd (1/s)	KD (M)
hT0947AE20-SG181	mouse latent TGF-beta 1	6.70E+05	2.94E-03	4.39E-09
hT0947AE22-SG181	mouse latent TGF-beta 1	6.53E+05	3.76E-03	5.76E-09
hT0947AE23-SG181	mouse latent TGF-beta 1	4.45E+05	1.87E-03	4.19E-09
hT0947AE24-SG181	mouse latent TGF-beta 1	6.27E+05	4.41E-03	7.03E-09
hT0947AE25-SG181	mouse latent TGF-beta 1	7.89E+06	3.53E-02	4.48E-09
hT0947AE26-SG181	mouse latent TGF-beta 1	1.62E+06	8.64E-03	5.34E-09
T0947H0053H0156-SG181/T0947L001L0049-SK1	mouse latent TGF-beta 1	6.51E+05	1.08E-02	1.66E-08
hT0947AE07-SG181	mouse latent TGF-beta 1	4.76E+05	4.94E-04	1.04E-09

[Fig. 3]



[Fig. 4]



[Fig. 5]

Antibody name	Human latent TGF-beta 1			Cyno latent TGF-beta 1			Mouse latent TGF-beta 1		
	ka (M ⁻¹ s ⁻¹)	kd (s ⁻¹)	KD (M)	ka (M ⁻¹ s ⁻¹)	kd (s ⁻¹)	KD (M)	ka (M ⁻¹ s ⁻¹)	kd (s ⁻¹)	KD (M)
hT0947AE07-SG191	5.62E+05	6.00E-04	1.07E-09	5.53E+05	5.89E-04	1.07E-09	4.67E+05	4.75E-04	1.02E-09
hT0947AE20-SG191	2.71E+05	1.04E-03	3.84E-09	2.66E+05	1.00E-03	3.78E-09	4.72E+05	2.42E-03	5.12E-09
hT0947AE27-SG191	2.04E+05	8.03E-04	3.93E-09	1.99E+05	7.75E-04	3.89E-09	3.37E+05	1.83E-03	5.43E-09
hT0947AE34-SG191	3.42E+05	7.84E-04	2.29E-09	3.31E+05	7.54E-04	2.28E-09	6.14E+05	2.25E-03	3.67E-09
hT0947AE37-SG191	4.42E+05	5.82E-04	1.32E-09	4.19E+05	5.73E-04	1.37E-09	8.11E+05	2.93E-03	3.61E-09

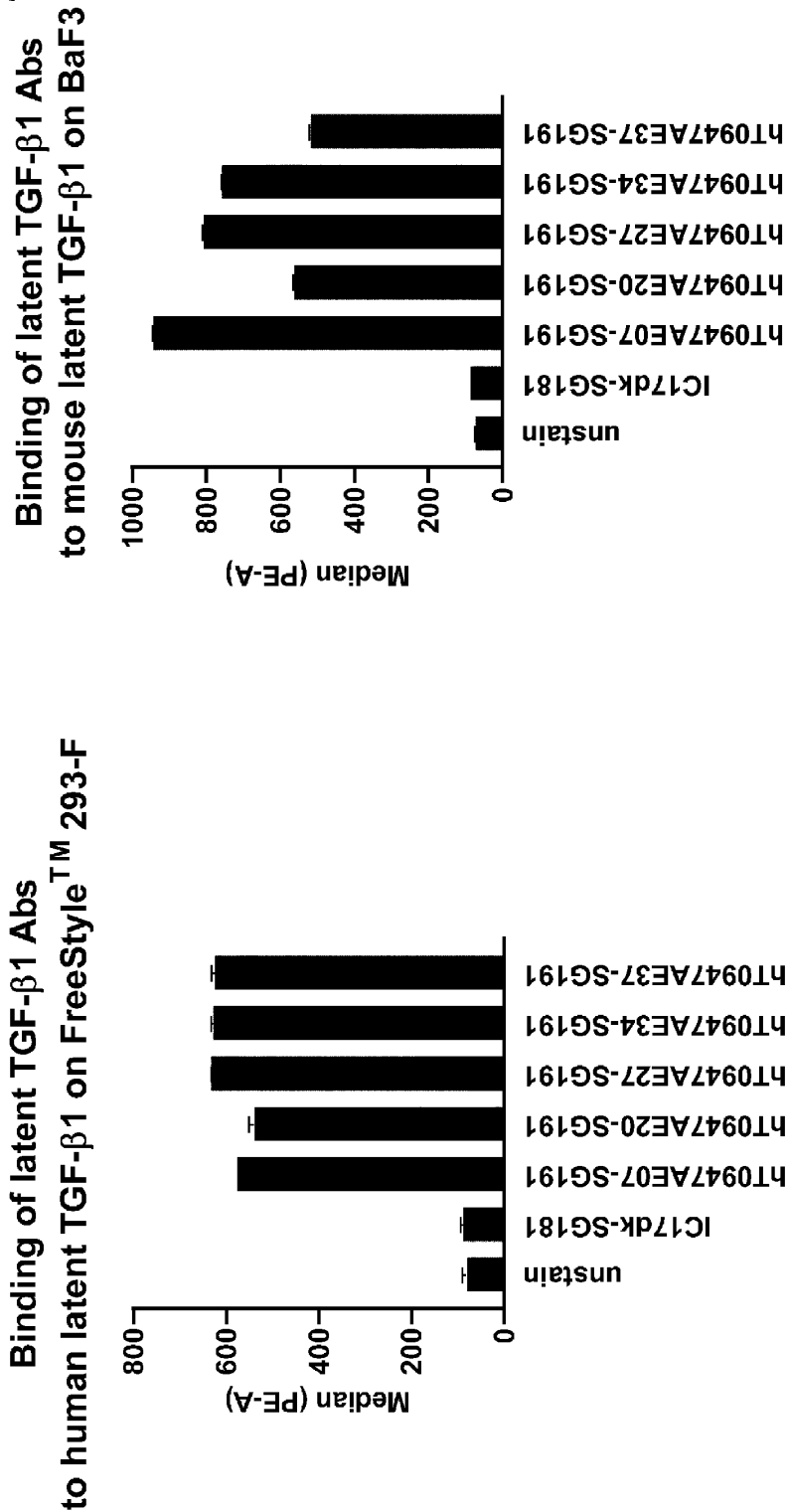
[Fig. 6]

Antibody name	Human latent TGF-beta 1			Cyno latent TGF-beta 1			Mouse latent TGF-beta 1		
	ka (M ⁻¹ s ⁻¹)	kd (s ⁻¹)	KD (M)	ka (M ⁻¹ s ⁻¹)	kd (s ⁻¹)	KD (M)	ka (M ⁻¹ s ⁻¹)	kd (s ⁻¹)	KD (M)
hT0947AE07-SG191	6.00E+05	1.49E-03	2.48E-09	5.82E+05	1.55E-03	2.65E-09	6.46E+05	5.35E-04	8.28E-10
hT0947AE20-SG191	1.36E+05	5.38E-02	3.95E-07	1.29E+05	5.53E-02	4.27E-07	1.60E+05	1.07E-01	6.69E-07
hT0947AE27-SG191	1.17E+05	5.63E-02	4.82E-07	1.06E+05	4.17E-02	3.91E-07	2.04E+05	1.64E-01	8.03E-07
hT0947AE34-SG191	2.12E+05	6.54E-02	3.09E-07	2.20E+05	7.13E-02	3.24E-07	1.94E+05	6.70E-02	3.46E-07
hT0947AE37-SG191	1.77E+05	3.93E-02	2.22E-07	1.74E+05	3.96E-02	2.28E-07	2.56E+05	4.01E-01	1.57E-06

[Fig. 7]

Antibody name	koff ratio pH5.8/pH7.4			KD ratio pH5.8/pH7.4		
	Human	Cyno	Mouse	Human	Cyno	Mouse
	latent TGF-beta 1	latent TGF-beta 1	latent TGF-beta 1	latent TGF-beta 1	latent TGF-beta 1	latent TGF-beta 1
hT0947AE07- SG191	2.48	2.63	1.13	2.32	2.48	0.81
hT0947AE20- SG191	51.73	55.30	44.21	102.86	112.96	130.66
hT0947AE27- SG191	70.11	53.81	89.62	122.65	100.51	147.88
hT0947AE34- SG191	83.42	94.56	29.78	134.93	142.11	94.28
hT0947AE37- SG191	67.53	69.11	136.85	168.18	166.42	434.90

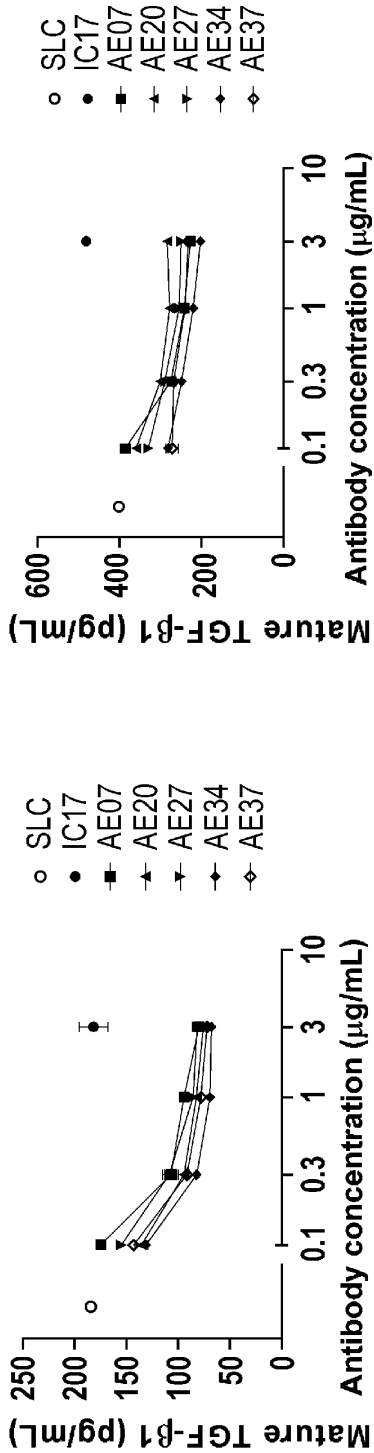
[Fig. 8]



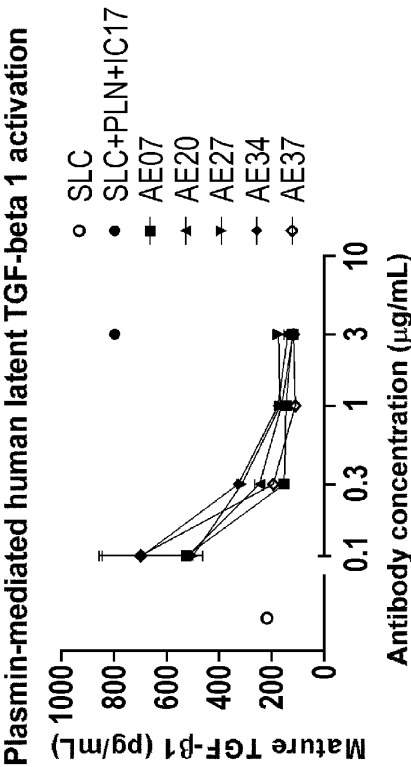
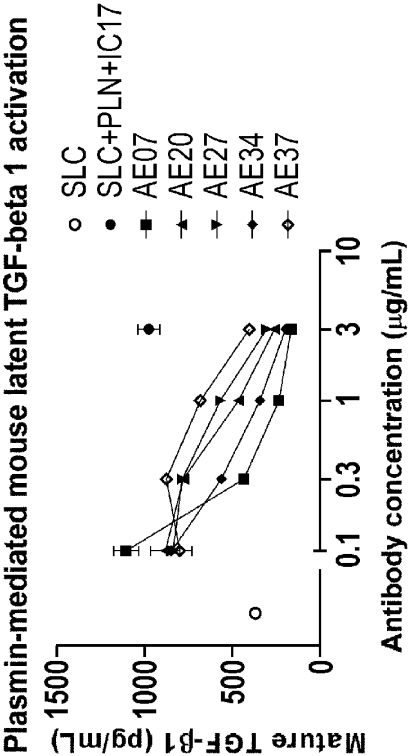
[Fig. 9]

Spontaneous human latent TGF-beta 1 activation

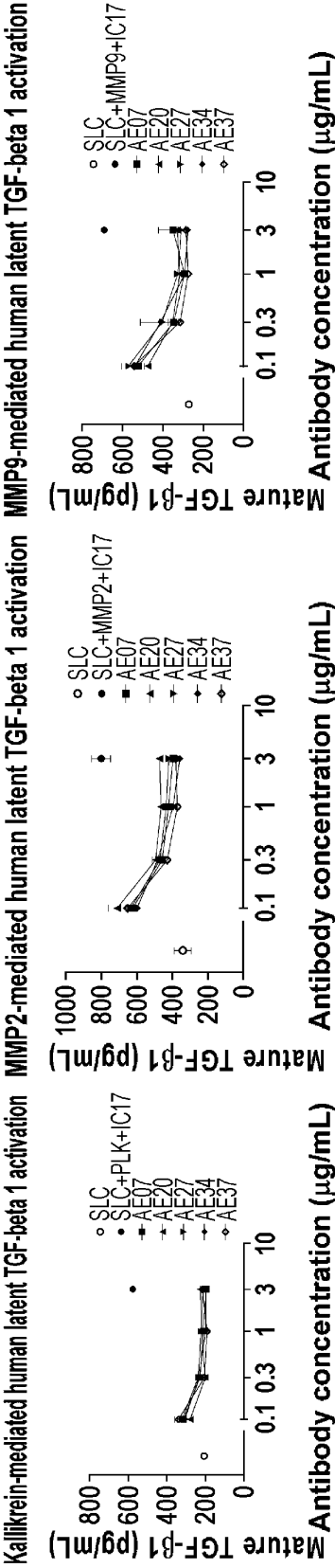
Spontaneous mouse latent TGF-beta 1 activation



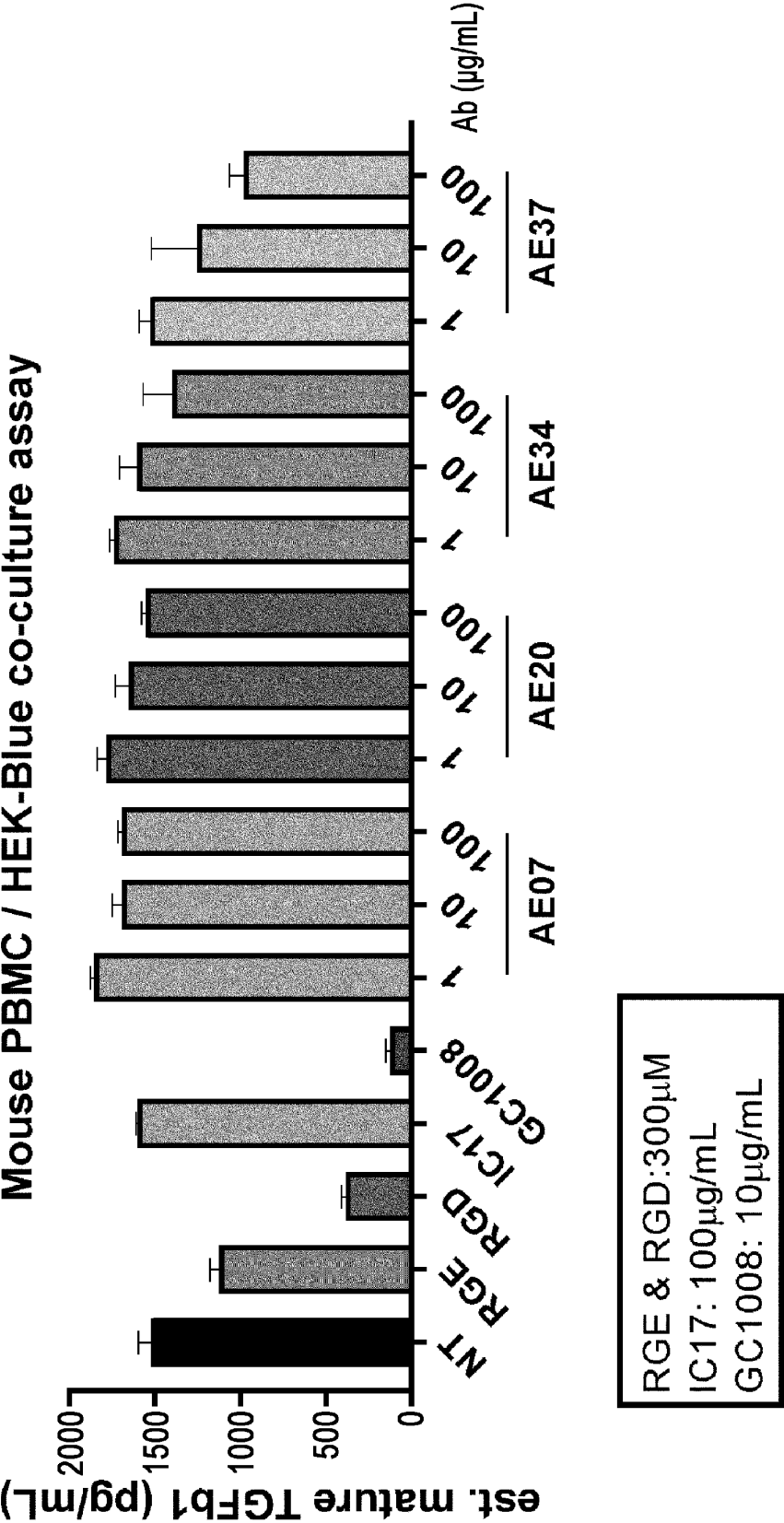
[Fig. 10]



[Fig. 11]

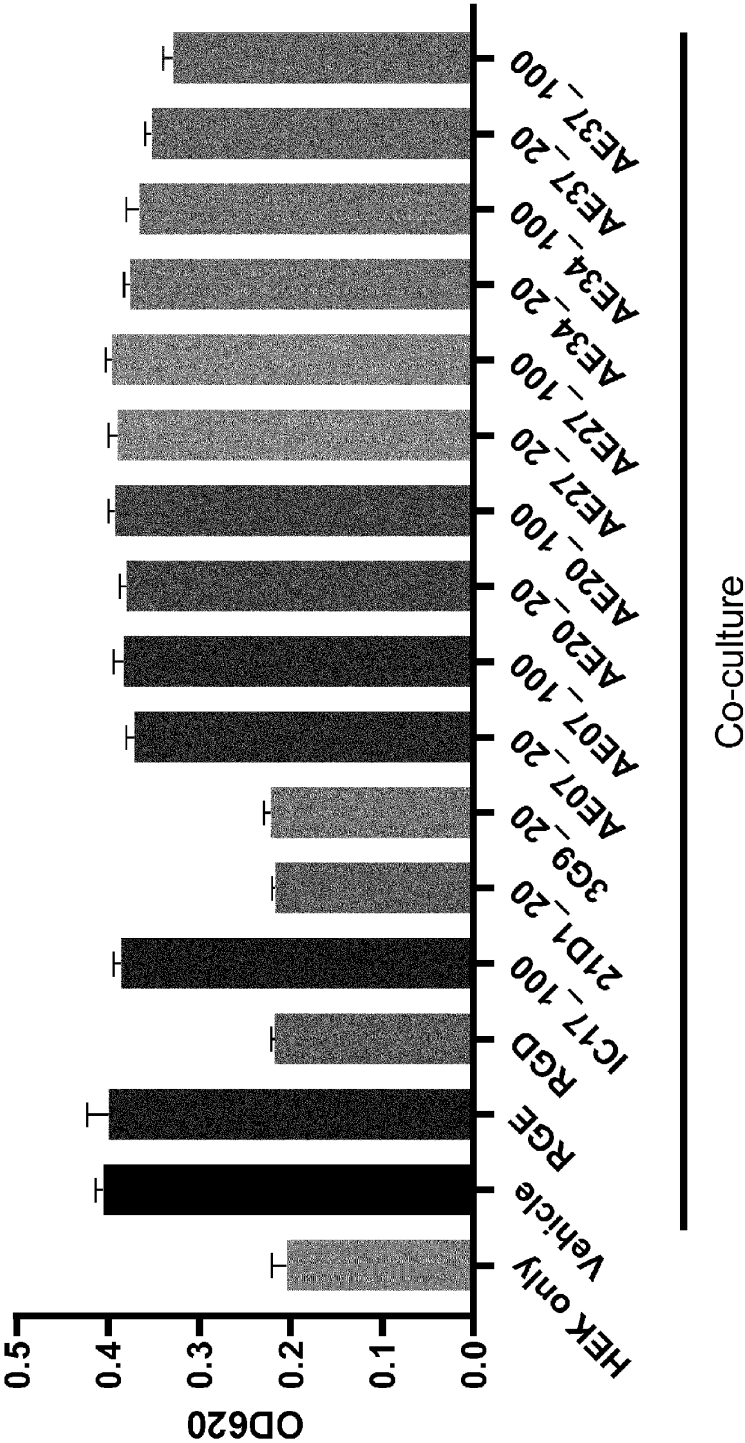


[Fig. 12]

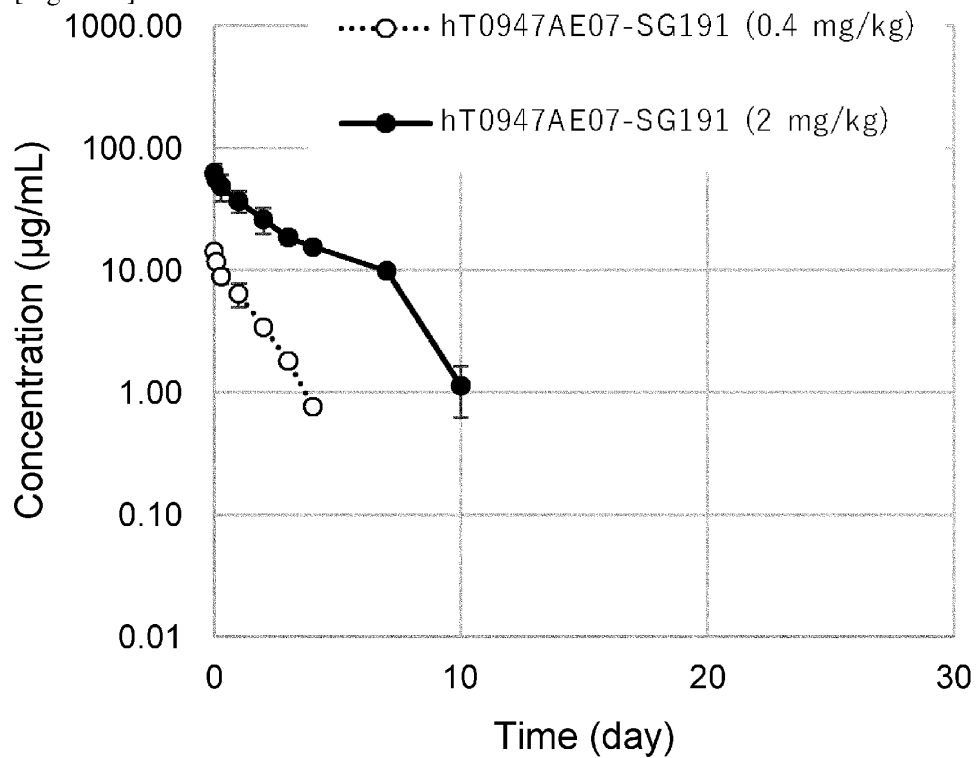


[Fig. 13]

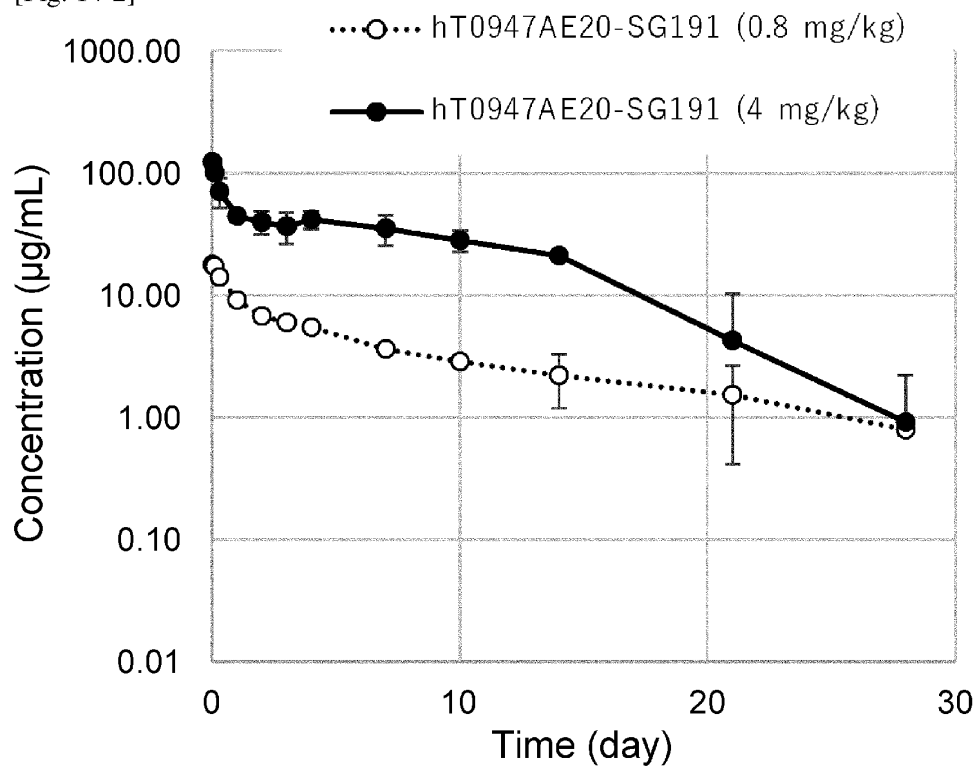
Detroit562 - HEK-Blue co-culture assay



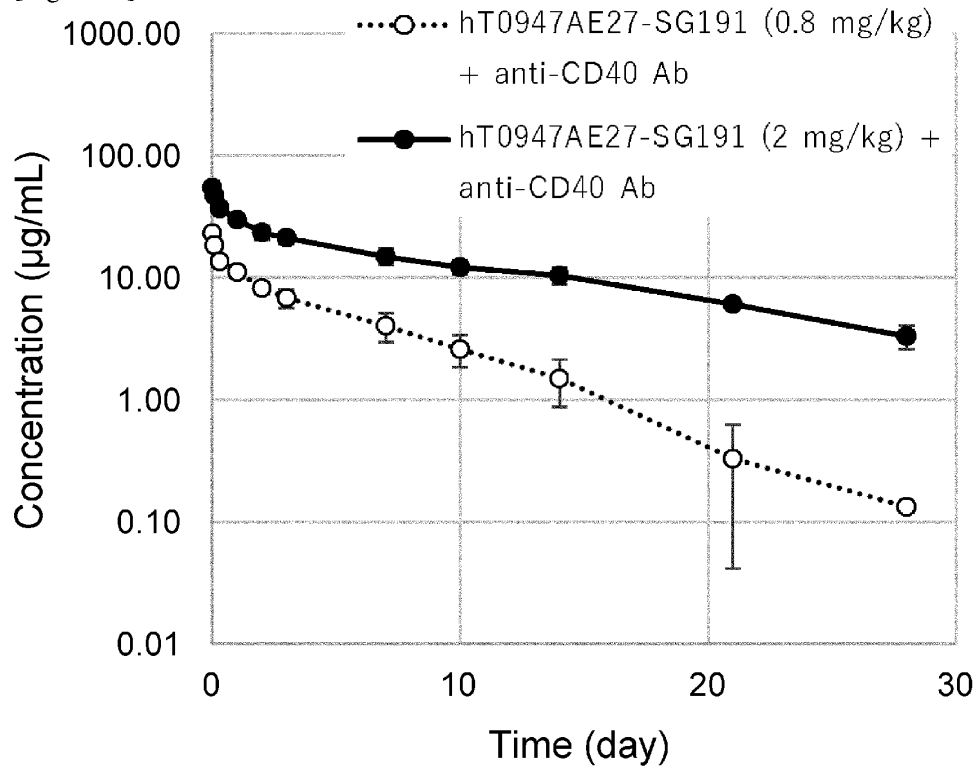
[Fig. 14-1]



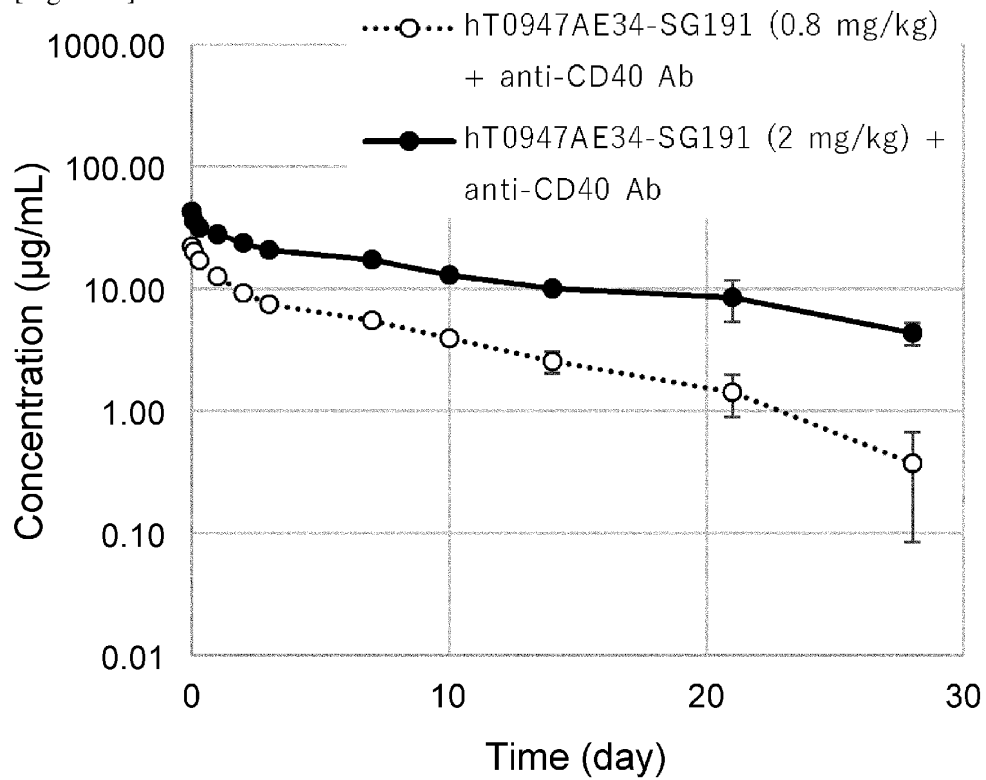
[Fig. 14-2]



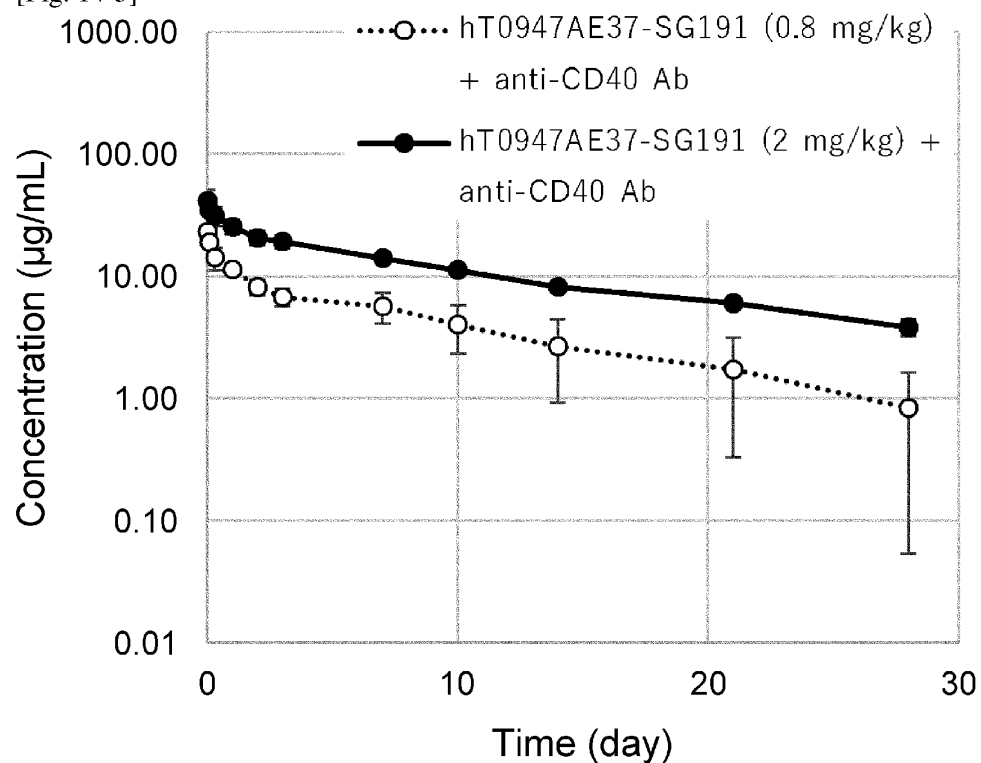
[Fig. 14-3]



[Fig. 14-4]



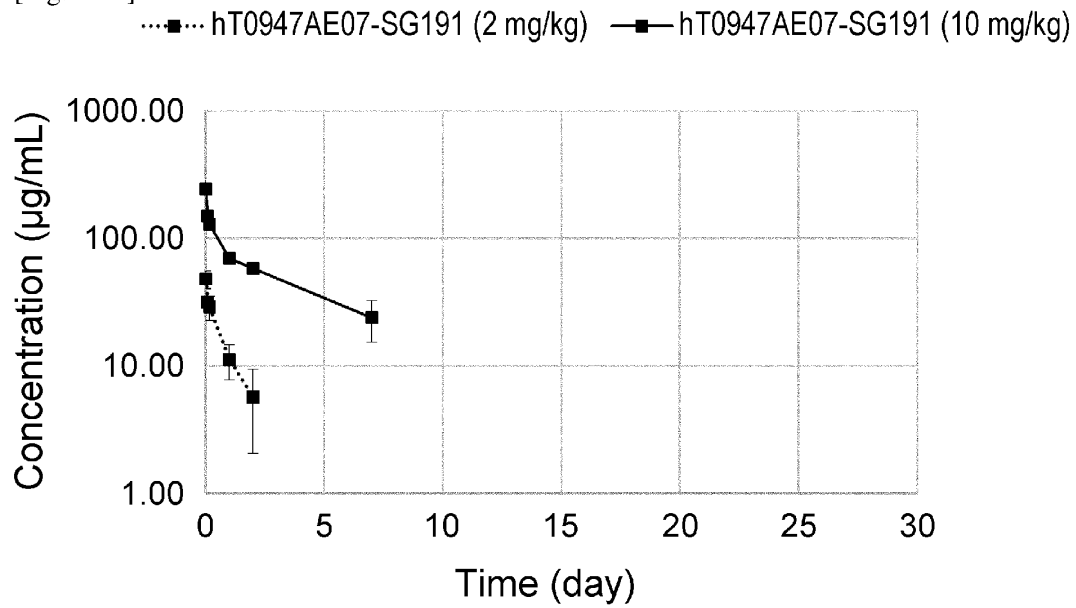
[Fig. 14-5]



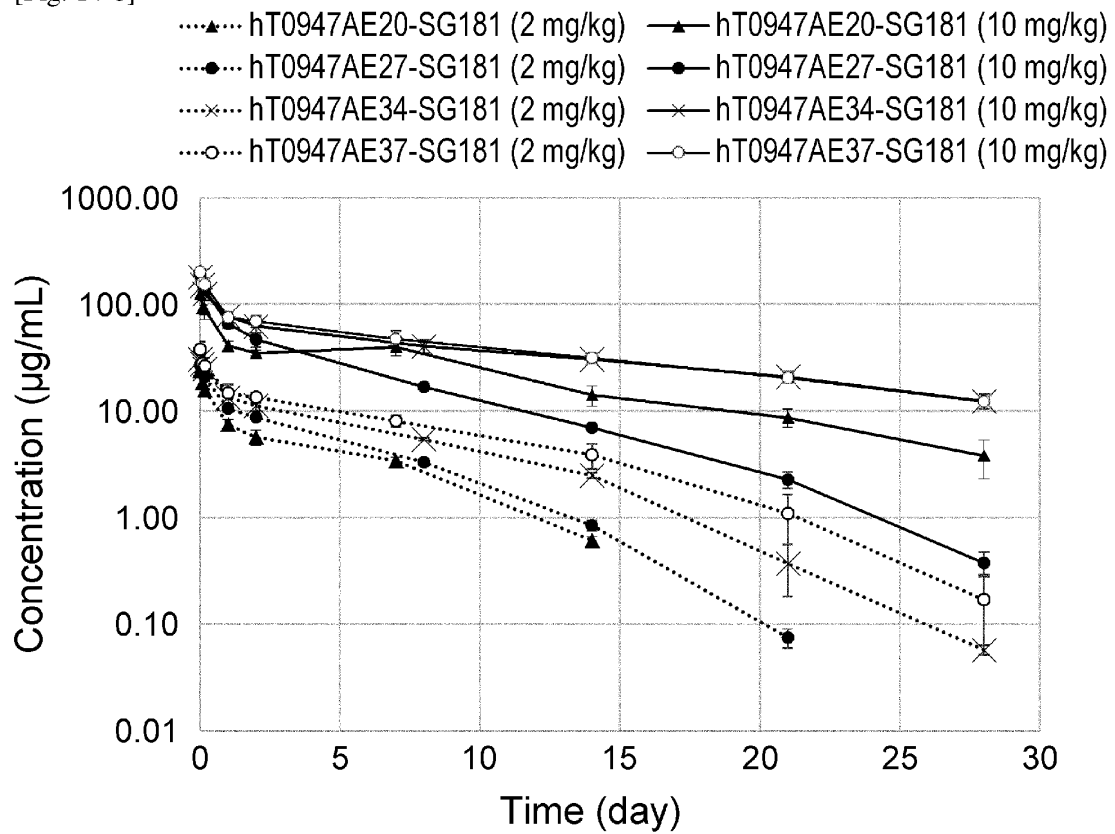
[Fig. 14-6]

Antibody	Dosage (mg/kg)	Clearance (mL/day/kg)
hT0947AE07-SG191	0.4	22.4
hT0947AE20-SG191	0.8	7.5
hT0947AE27-SG191	0.8	10.5
hT0947AE34-SG191	0.8	7.3
hT0947AE37-SG191	0.8	7.5
hT0947AE07-SG191	2	9.7
hT0947AE20-SG191	4	6.1
hT0947AE27-SG191	2	5.3
hT0947AE34-SG191	2	4.7
hT0947AE37-SG191	2	5.5

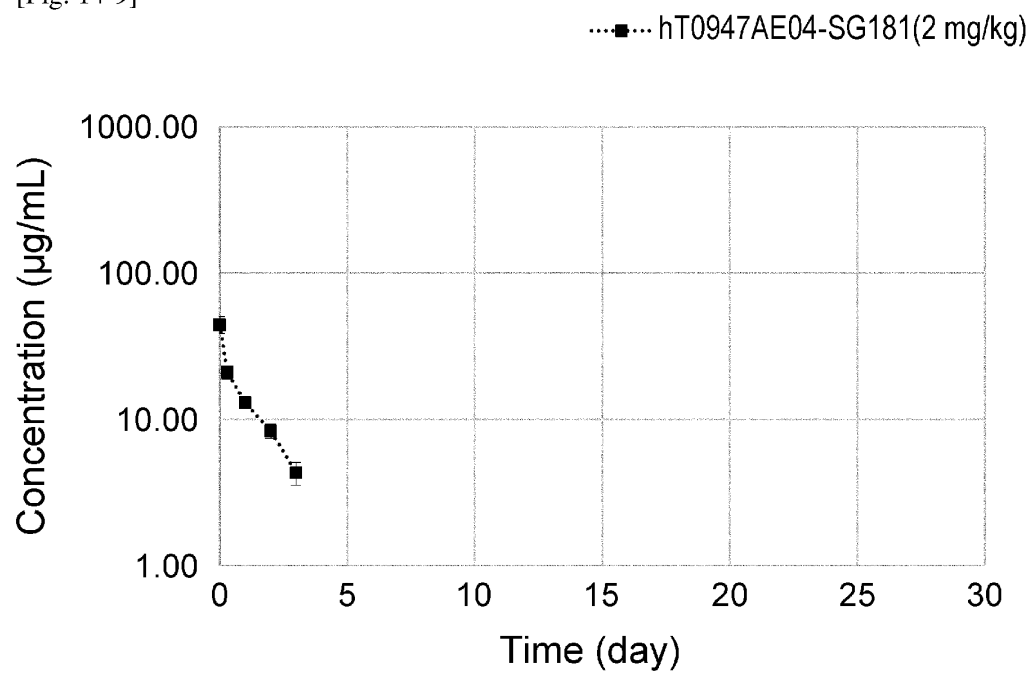
[Fig. 14-7]



[Fig. 14-8]



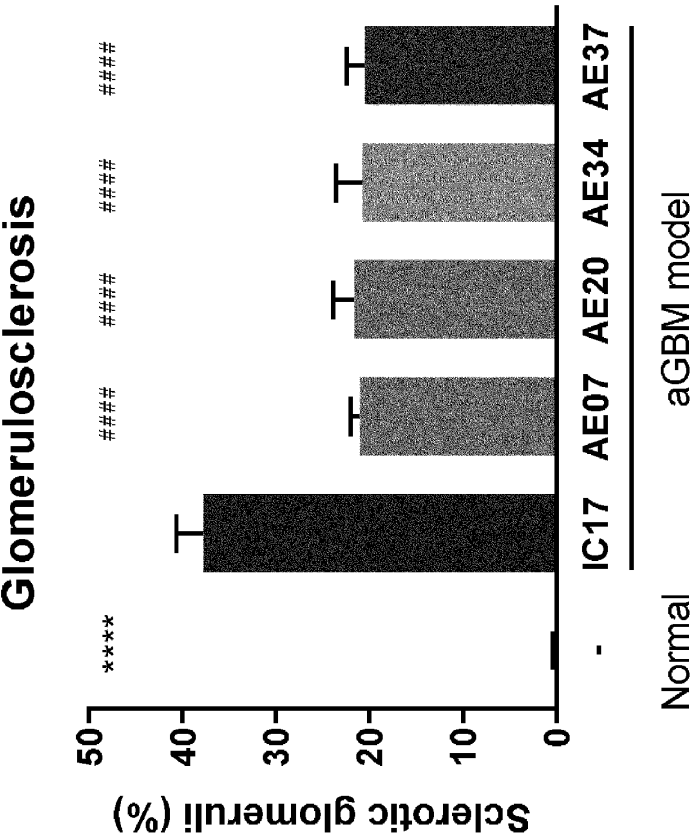
[Fig. 14-9]



[Fig. 14-10]

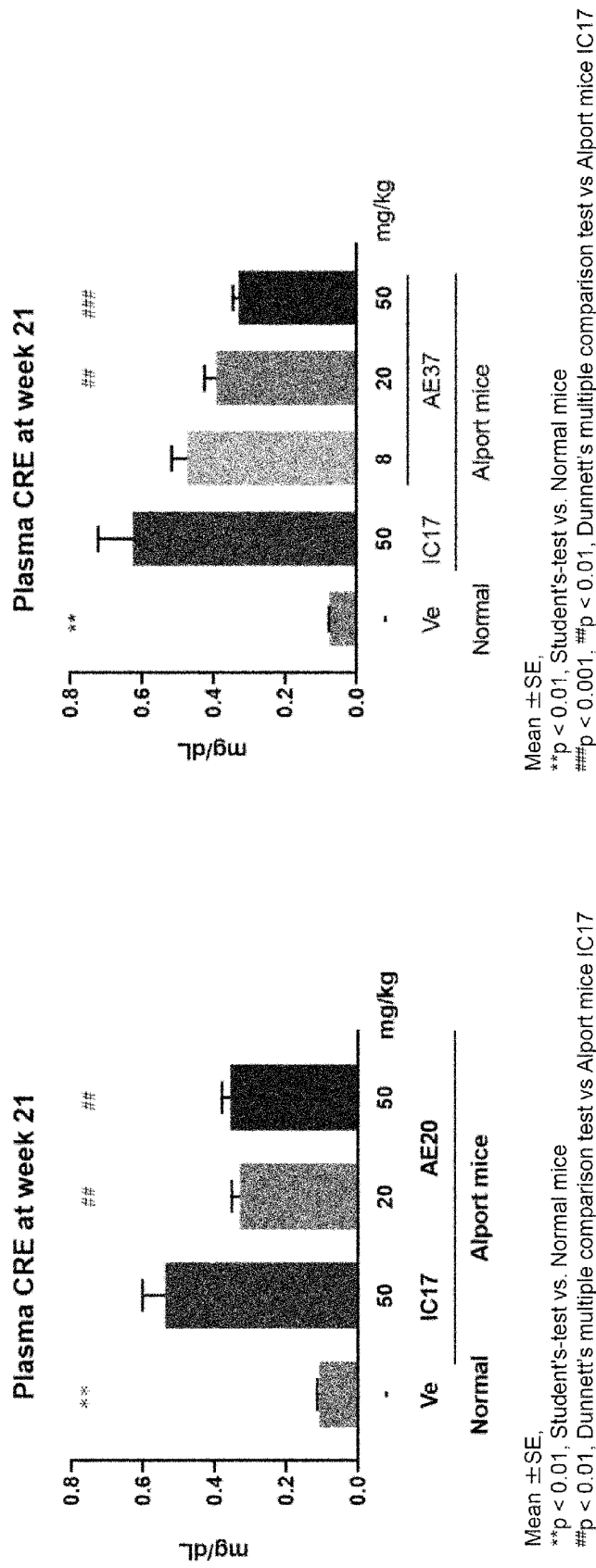
Antibody	Dosage (mg/kg)	Clearance (mL/day/kg)
hT0947AE04-SG181	2	44.58
hT0947AE07-SG191	2	61.64
hT0947AE20-SG181	2	36.09
hT0947AE27-SG181	2	27.44
hT0947AE34-SG181	2	17.89
hT0947AE37-SG181	2	13.81
hT0947AE07-SG191	10	21.88
hT0947AE20-SG181	10	16.07
hT0947AE27-SG181	10	22.56
hT0947AE34-SG181	10	8.38
hT0947AE37-SG181	10	8.17

[Fig. 16]



Mean $\pm$ SE,
****p < 0.0001, Student's t-test vs. aGBM mice IC17
###p < 0.0001, Dunnett's multiple comparison test vs aGBM mice IC17

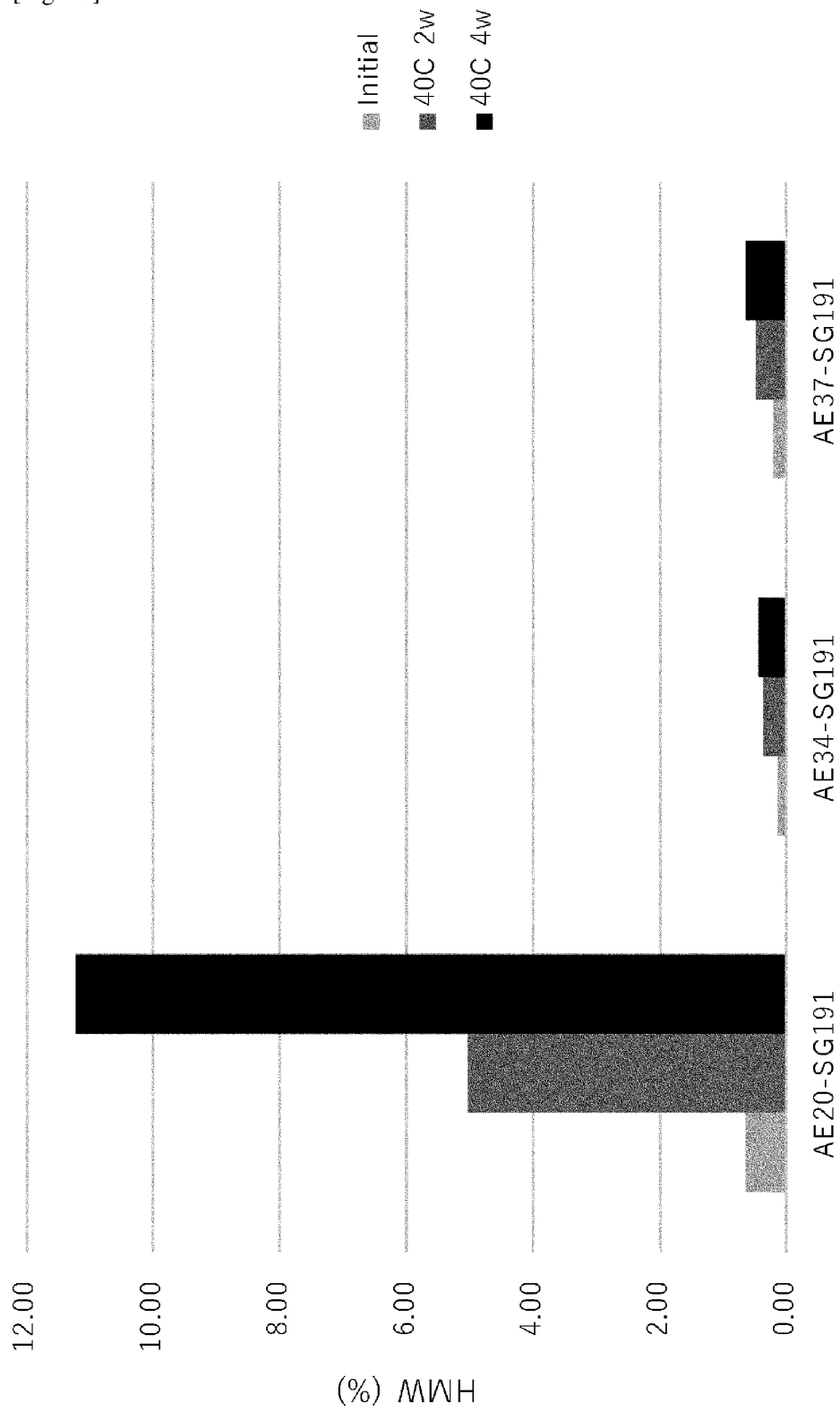
[Fig. 17]



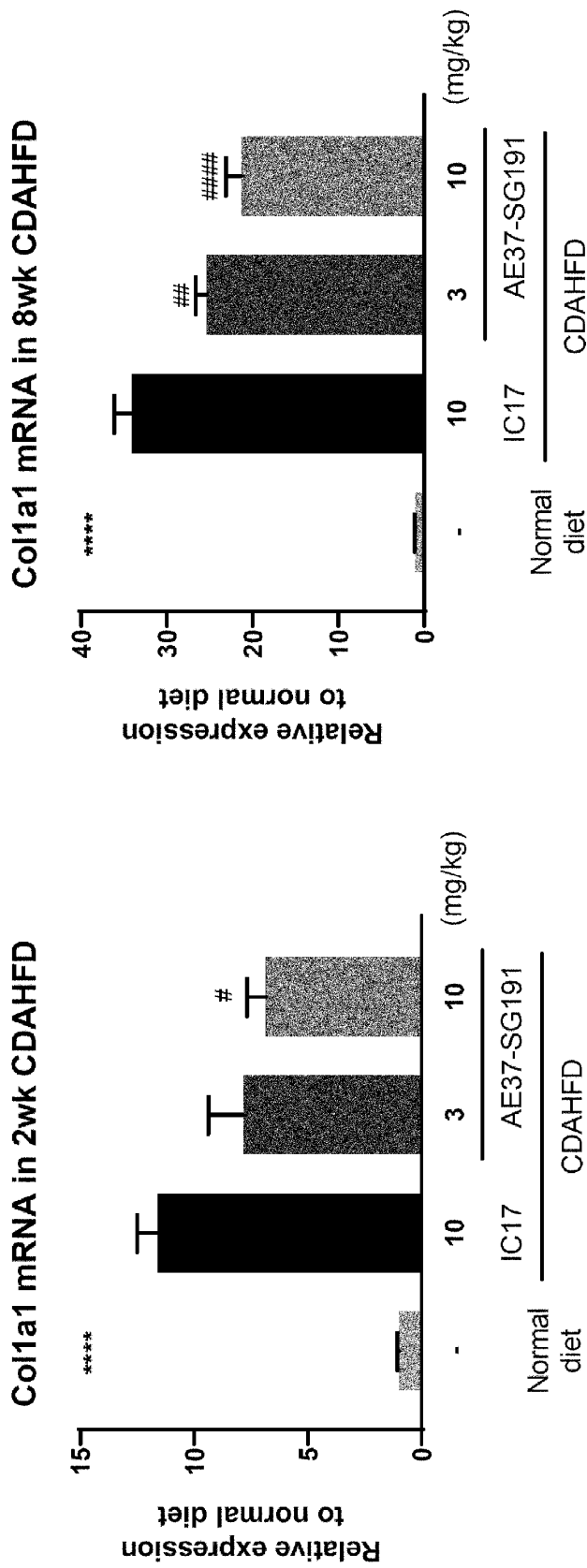
[Fig. 18]

Antibody name	Viscosity (mPa.s) at 150 mg/mL
hT0947AE07-SG191	5.77
hT0947AE20-SG191	3.73
hT0947AE27-SG191	3.99
hT0947AE34-SG191	7.85
hT0947AE37-SG191	3.31

[Fig. 19]

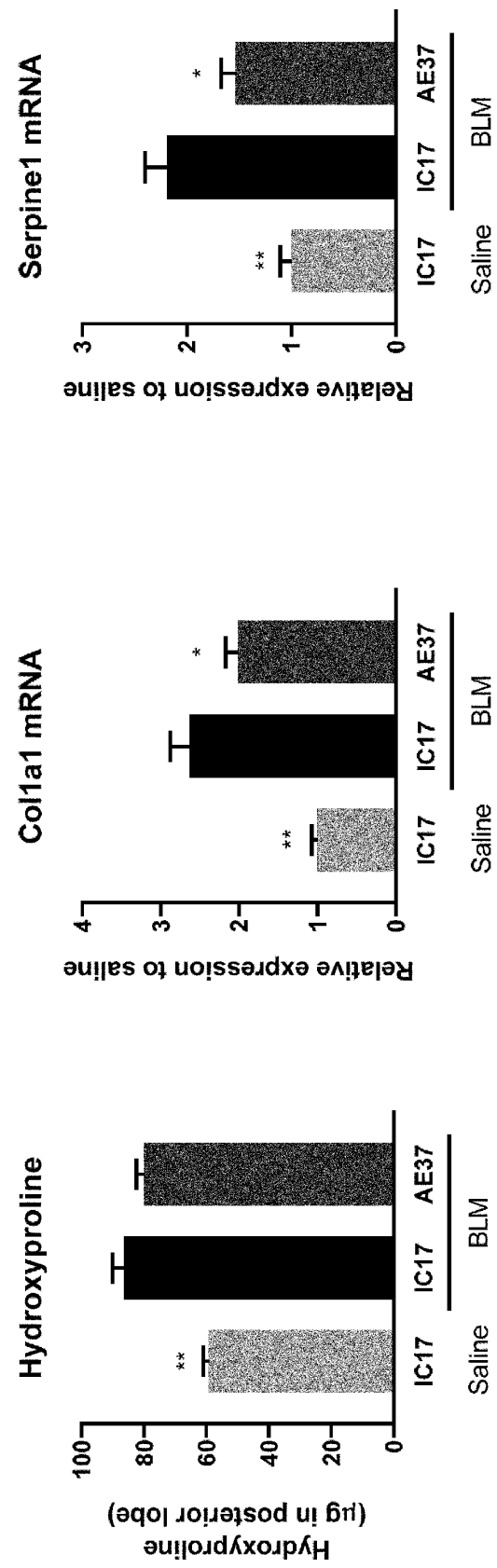


[Fig. 20]



Mean ± SE, ****p < 0.0001, Student's t-test vs. CDAHFD, #p < 0.05, #p < 0.01, ###p < 0.001, ****p < 0.0001 Dunnett's multiple comparison test vs CDAHFD mice

[Fig. 21]



Mean ± SE, *p < 0.05, **p < 0.01 Student's t-test vs. BLM mice

[illegible]