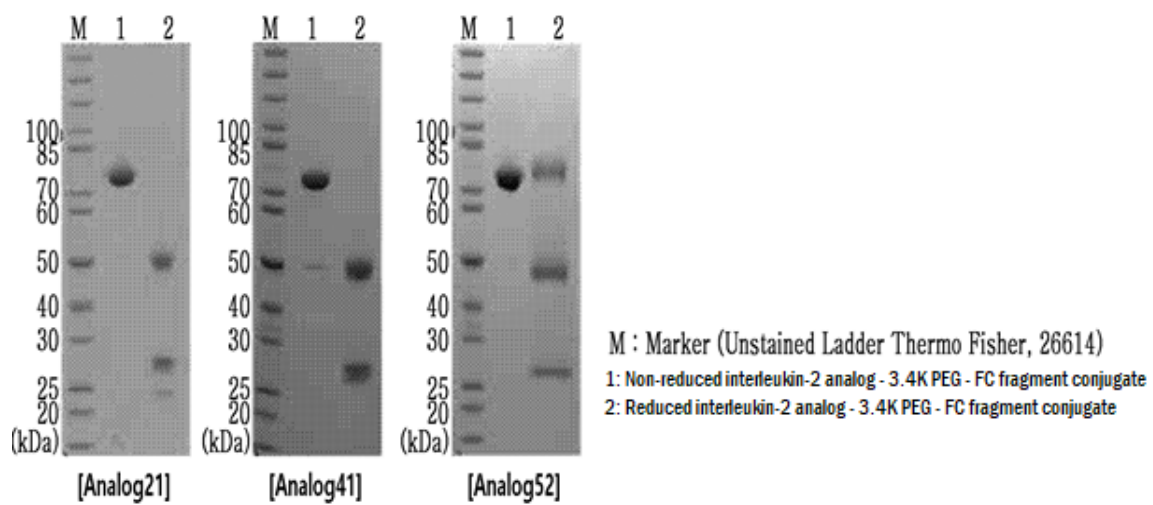


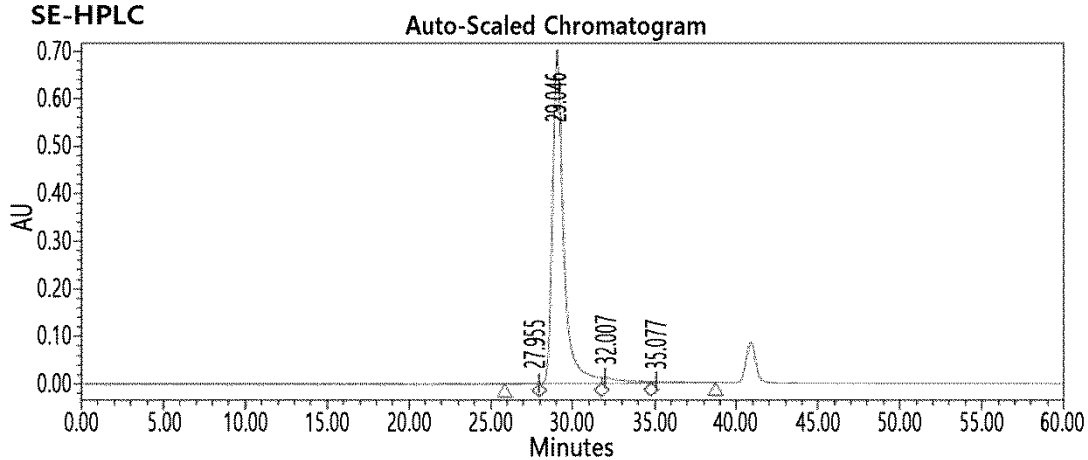
[DRAWINGS]

[FIG. 1]



[FIG. 2A]

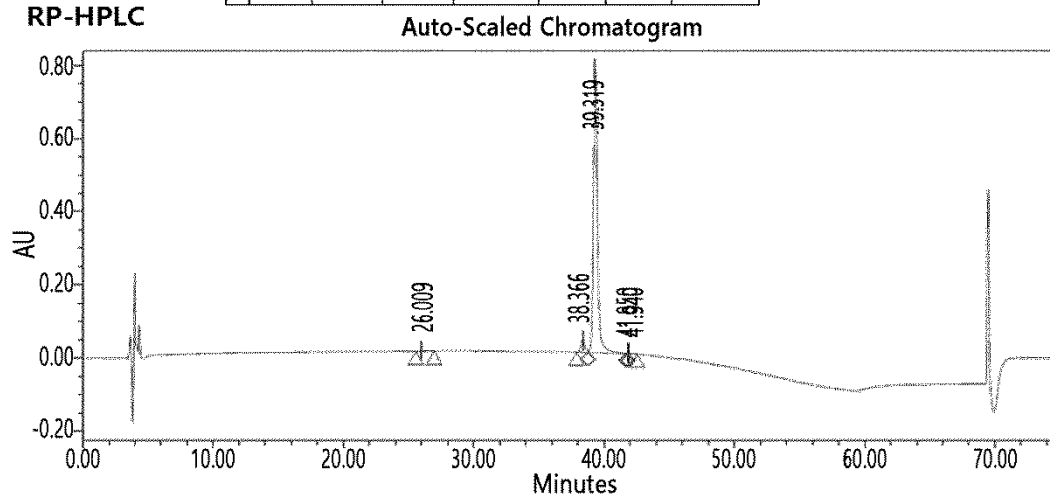
**Analog 21
SE-HPLC**



Peak Results

	RT	Int Type	Width (sec)	Area	Height	% Area	Total Area
1	27.955	bv	127.200	50410	945	0.15	34444275
2	29.046	vv	228.800	32900952	682750	95.52	34444275
3	32.007	vv	181.200	1164536	11799	3.38	34444275
4	35.077	vb	235.600	328377	3549	0.95	34444275

RP-HPLC

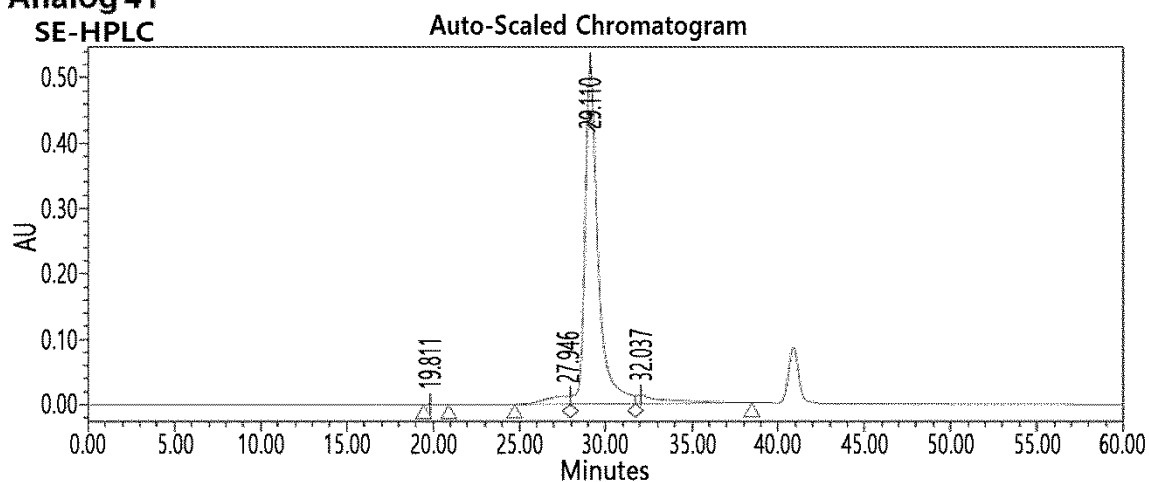


Peak Results

	RT	Int Type	Width (sec)	Area	Height	% Area	Total Area
1	26.009	Bb	83.600	51066	1429	0.28	18317715
2	38.366	bv	52.400	708275	32497	3.87	18317715
3	39.319	wv	173.600	17478553	777242	95.42	18317715
4	41.850	wv	11.200	27638	2585	0.15	18317715
5	41.940	vb	42.000	52183	3089	0.28	18317715

[FIG. 2B]

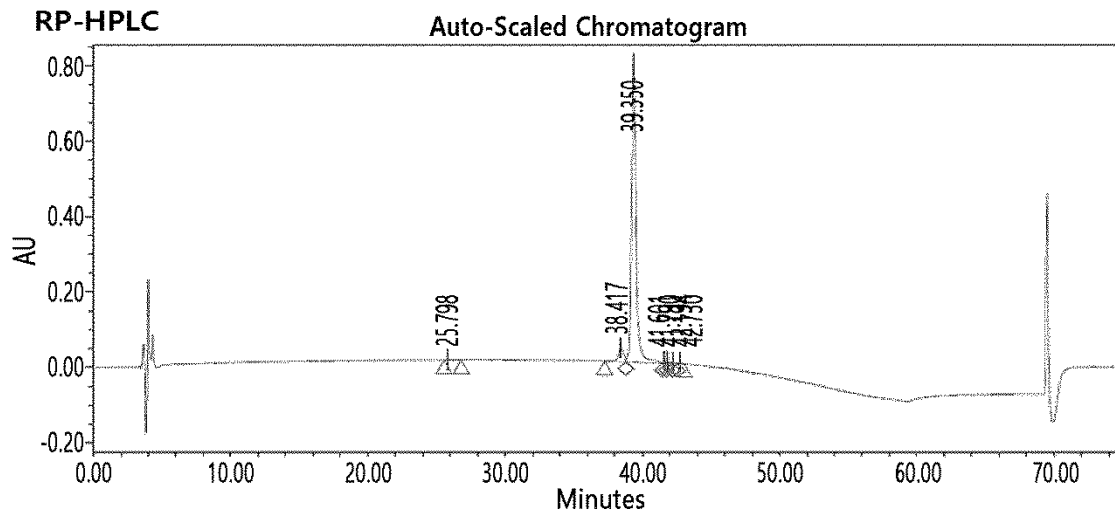
**Analog 41
SE-HPLC**



Peak Results

	RT	Int Type	Width (sec)	Area	Height	% Area	Total Area
1	19.811	bb	87.200	25933	1206	0.09	30049290
2	27.946	bv	194.000	1177831	12306	3.92	30049290
3	29.110	vv	227.200	27297055	520812	90.84	30049290
4	32.037	vb	404.400	1548471	13016	5.15	30049290

RP-HPLC

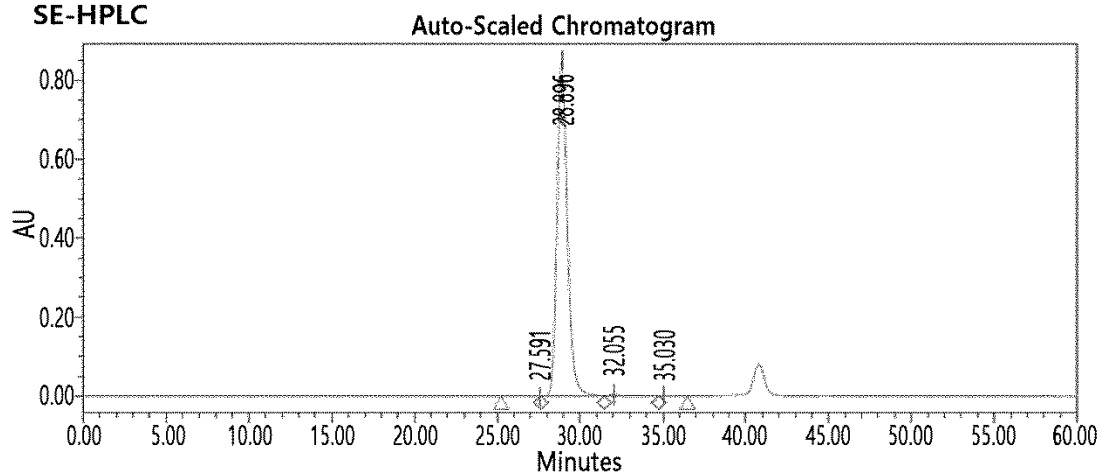


Peak Results

	RT	Int Type	Width (sec)	Area	Height	% Area	Total Area
1	25.798	BB	75.600	47777	1788	0.24	19600965
2	38.417	bv	94.000	962823	36778	4.91	19600965
3	39.350	wv	159.600	18335061	790978	93.54	19600965
4	41.601	wv	18.000	76997	4518	0.39	19600965
5	41.790	vv	25.600	81262	4246	0.41	19600965
6	42.194	vv	22.400	41294	2181	0.21	19600965
7	42.730	vb	28.800	55751	3954	0.28	19600965

[FIG. 2C]

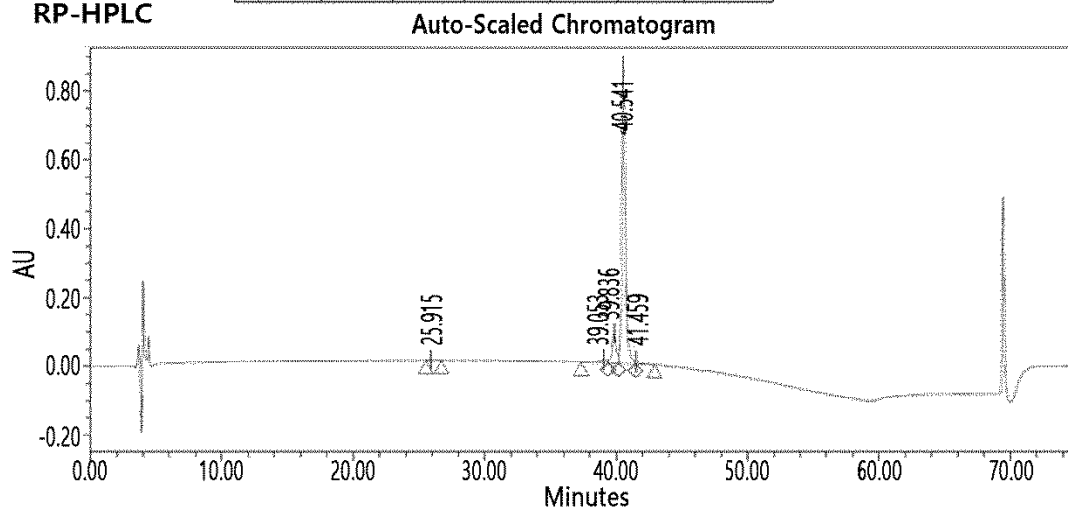
**Analog 52
SE-HPLC**



Peak Results

	RT	Int Type	Width (sec)	Area	Height	% Area	Total Area
1	27.591	bv	144.000	24021	348	0.06	37263781
2	28.896	vv	230.000	37016396	851448	99.34	37263781
3	32.055	vv	197.200	212592	3662	0.57	37263781
4	35.030	vb	104.000	10772	250	0.03	37263781

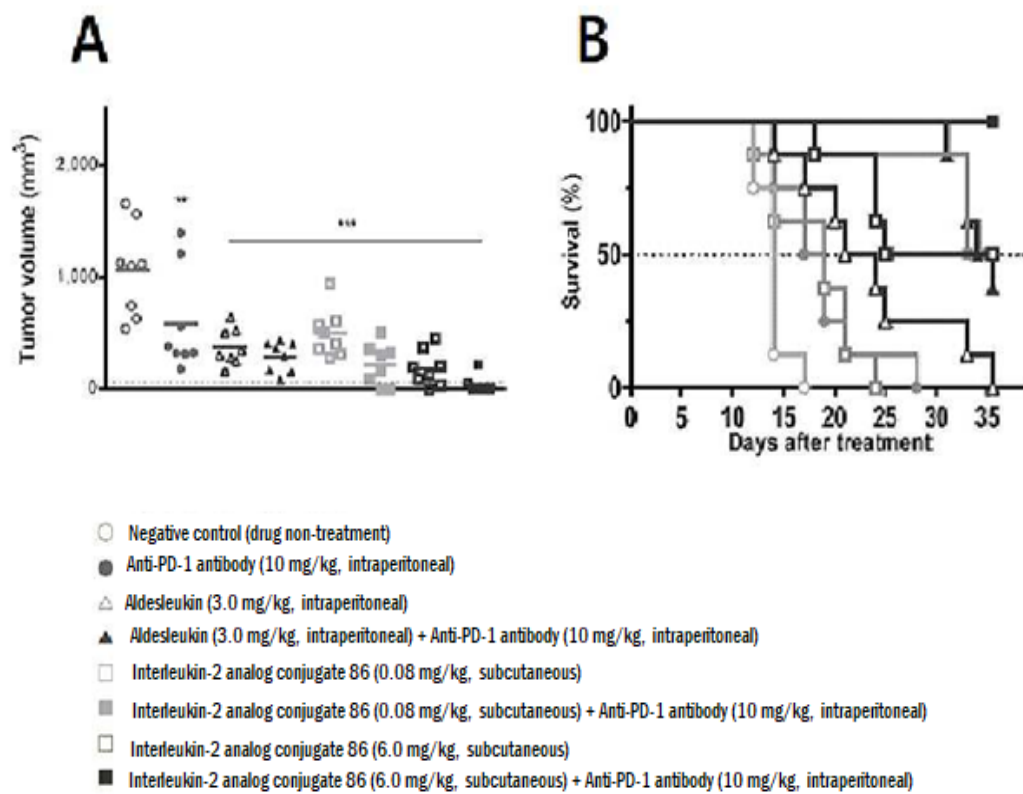
RP-HPLC



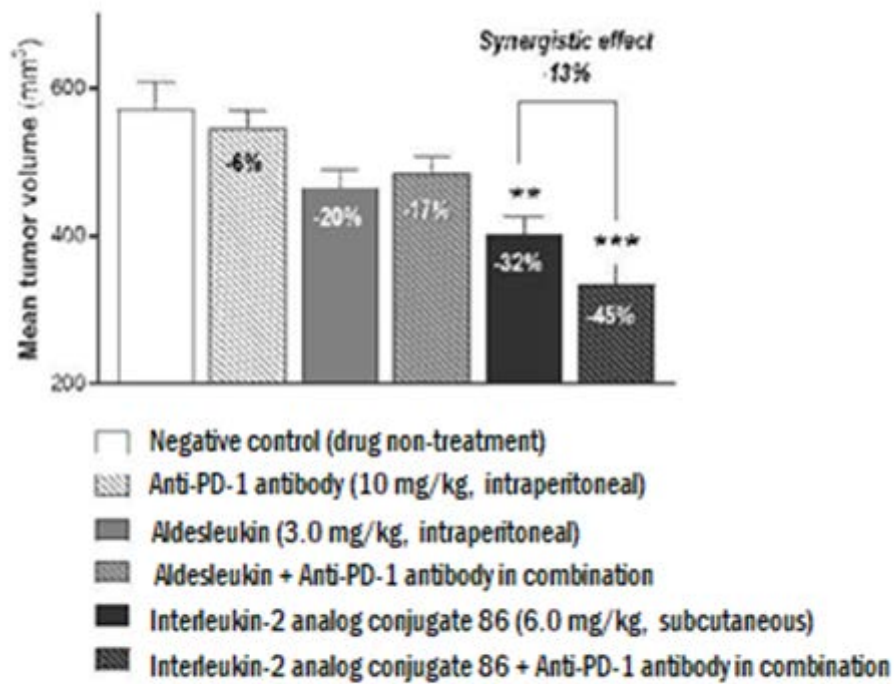
Peak Results

	RT	Int Type	Width (sec)	Area	Height	% Area	Total Area
1	25.915	Bb	70.400	34022	1272	0.18	19021437
2	39.053	bv	122.800	386132	8859	2.03	19021437
3	39.836	w	47.600	1921333	88063	10.10	19021437
4	40.541	w	77.600	16466179	864067	86.57	19021437
5	41.459	vb	87.200	213771	6643	1.12	19021437

[FIG. 3]

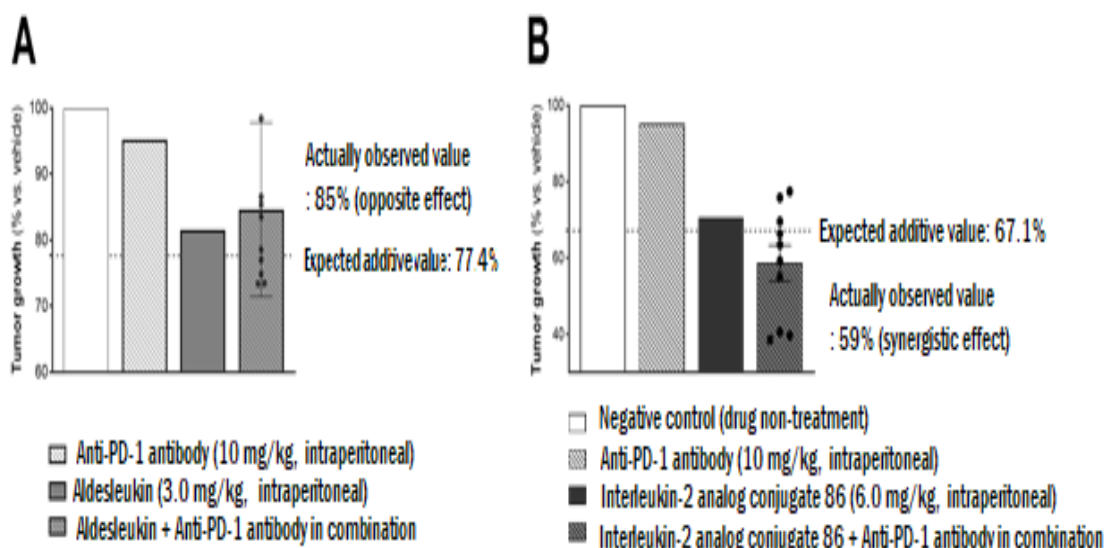


[FIG. 4]



***p<0.001, **p<0.01, *p<0.05 vs. vehicle group by One-way ANOVA test

[FIG. 5]



* Bliss independence model analysis example

1) Tumor inhibitory efficacy (95.24%) by administration of anti-PD-1 monoclonal antibody alone (vs. negative control)

2) Tumor inhibitory efficacy (81.55%) by administration of aldesleukin alone (vs. negative control)

- Expected additive value by combined administration of two drugs: $(0.9524 \times 0.8155) \times 100 = 77.7\%$

Synergistic effect : when actually observed value in two-drug combined administration group is smaller than expected additive value ($< 77.7\%$)

Opposite effect : when actually observed value in two-drug combined administration group is greater than expected additive value ($> 77.7\%$)

Bliss independence was conducted based on reference (J Cheminform, 2015 Feb 26;7:7)

[FIG. 6]

