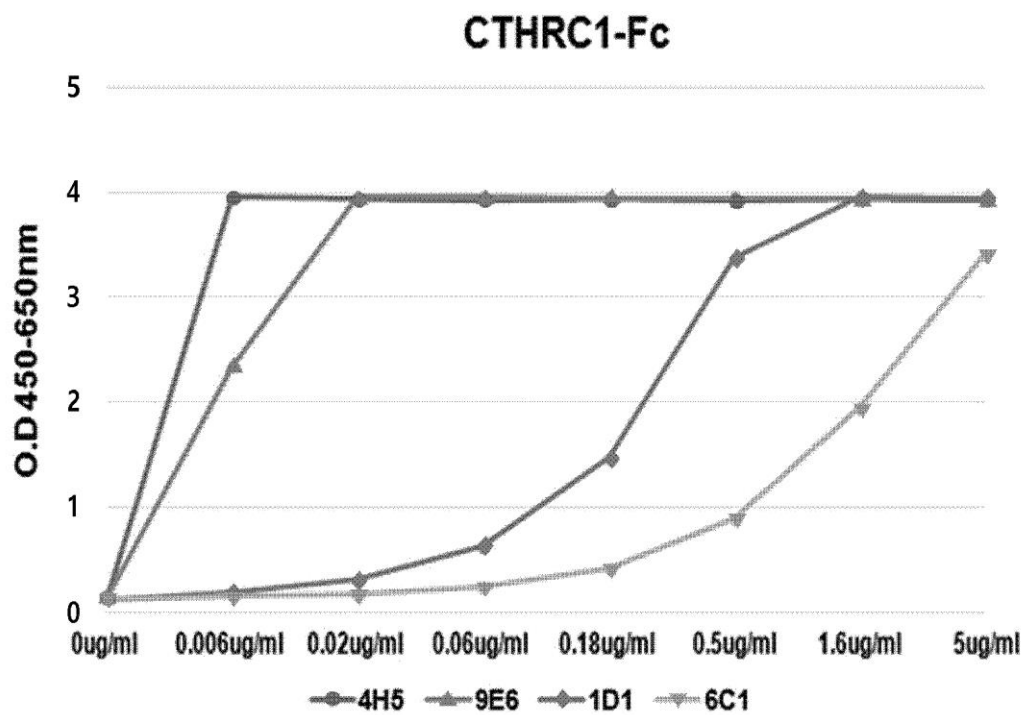
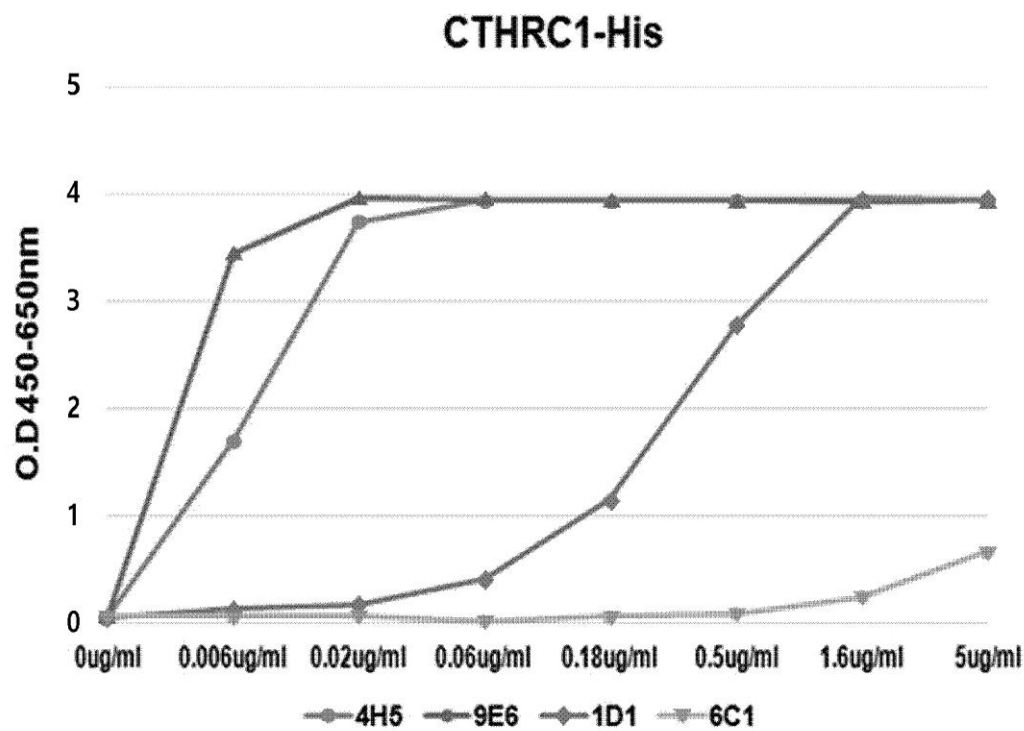


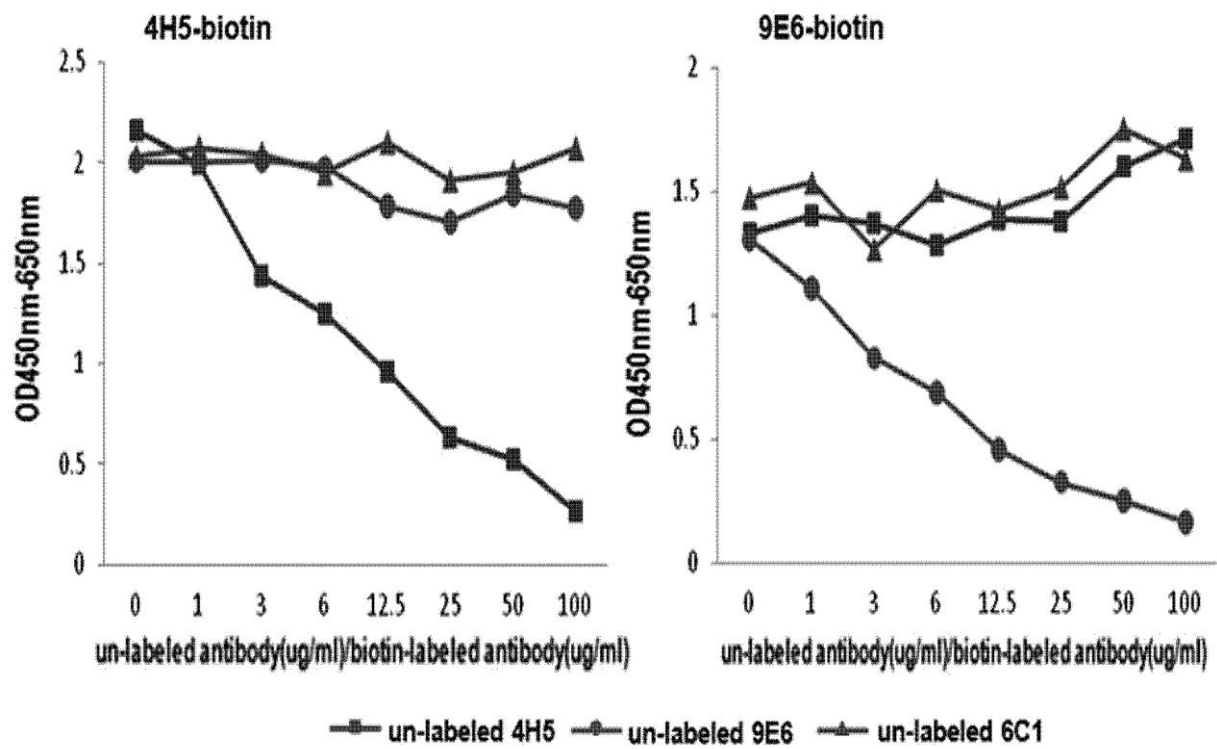
[DRAWINGS]

[Fig. 1]

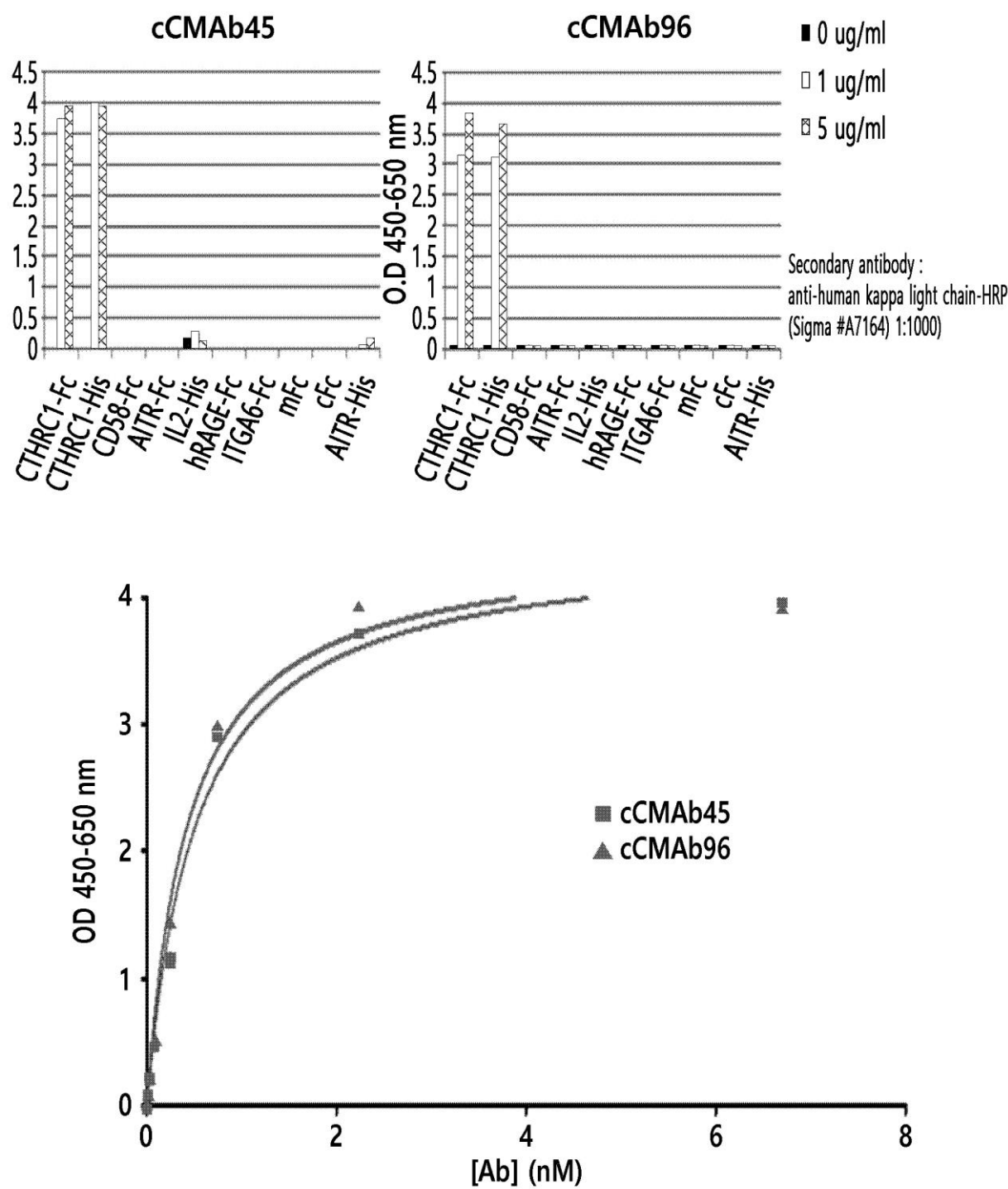


[Fig. 2]

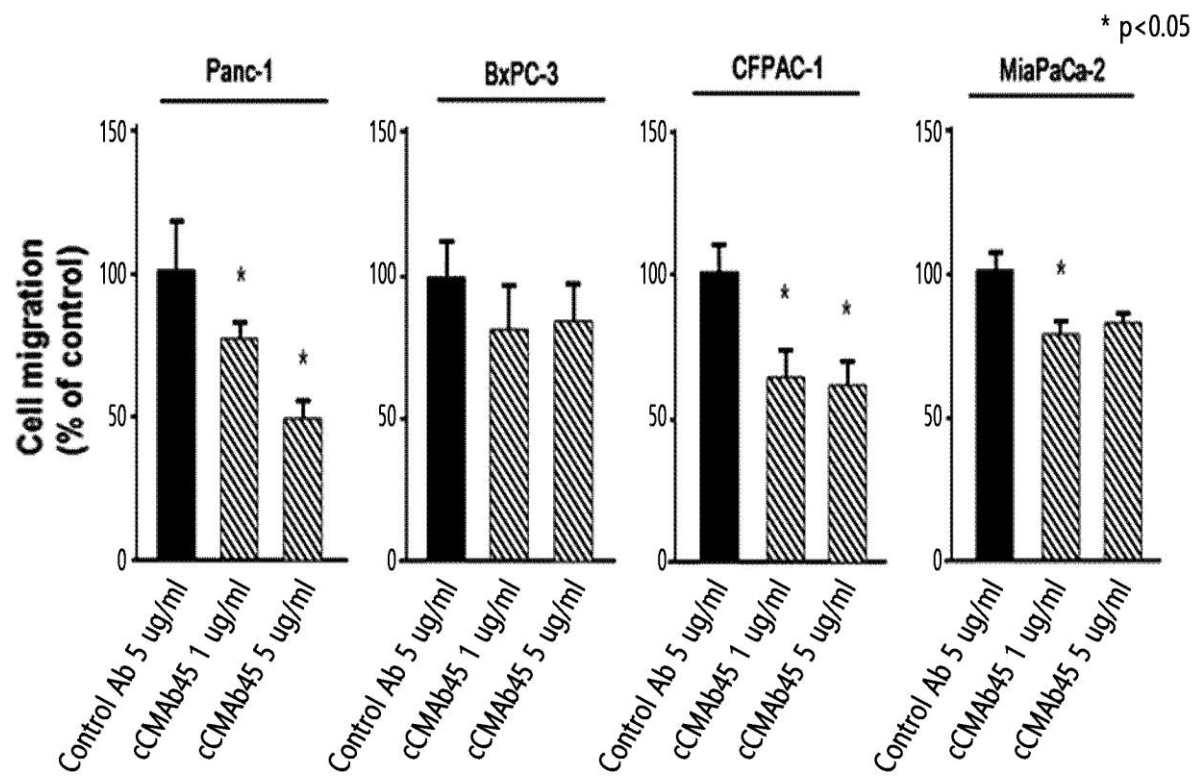
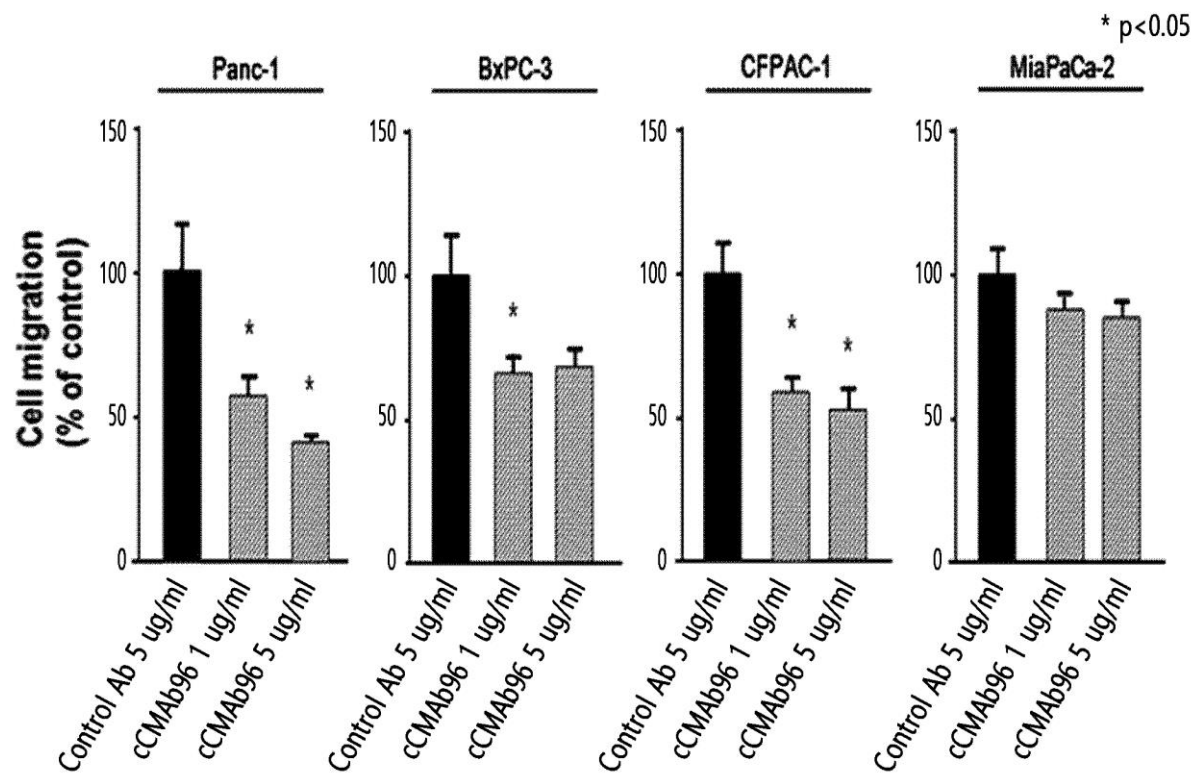
Competitive ELISA



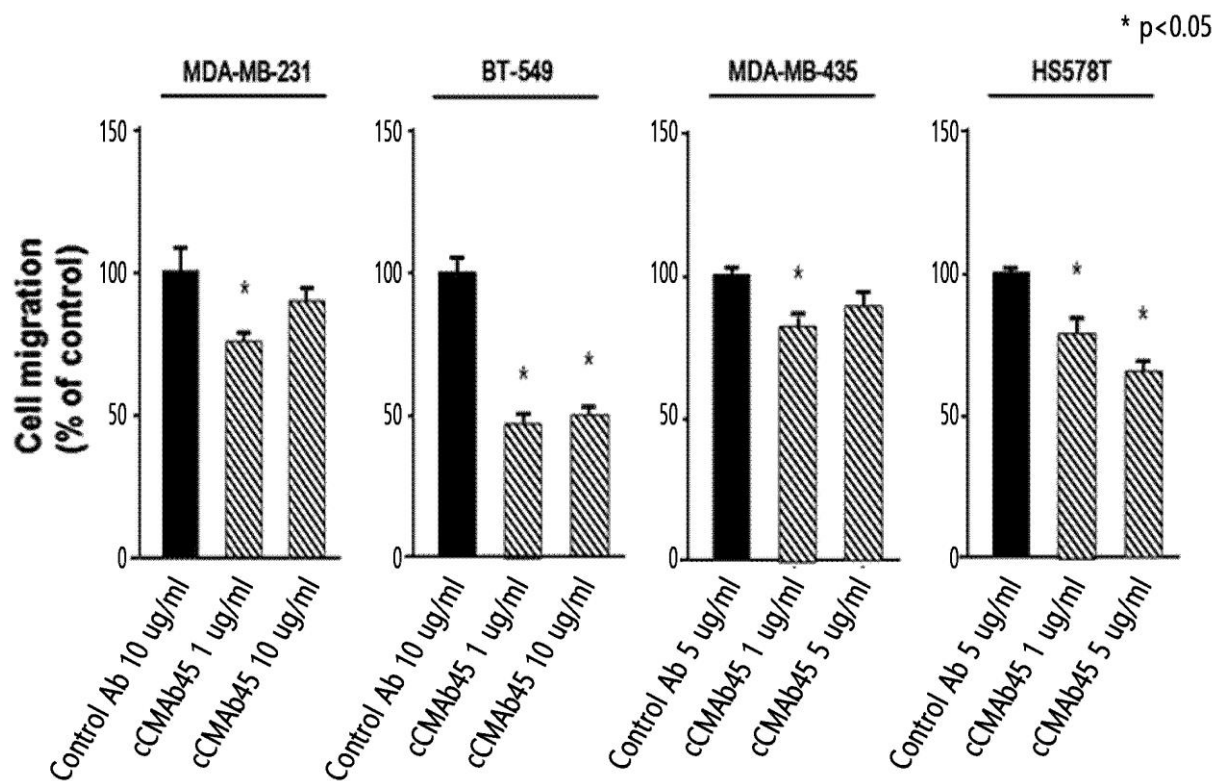
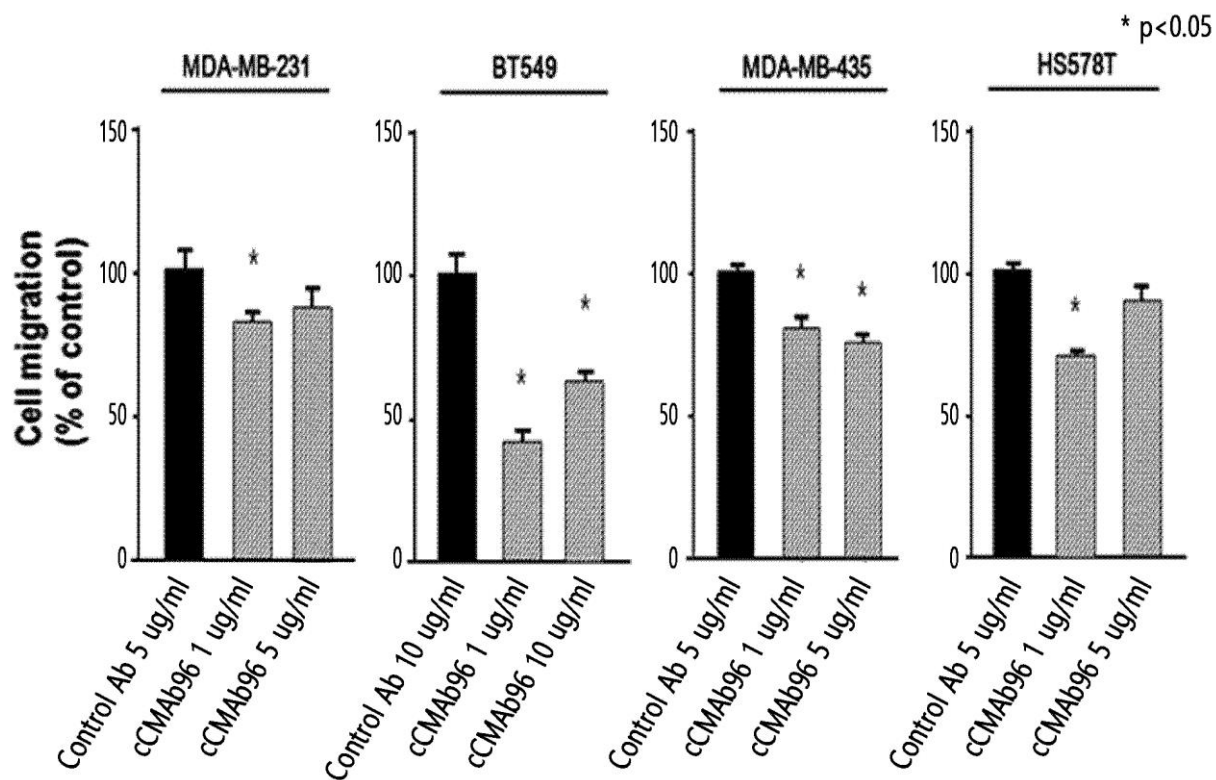
[Fig. 3]



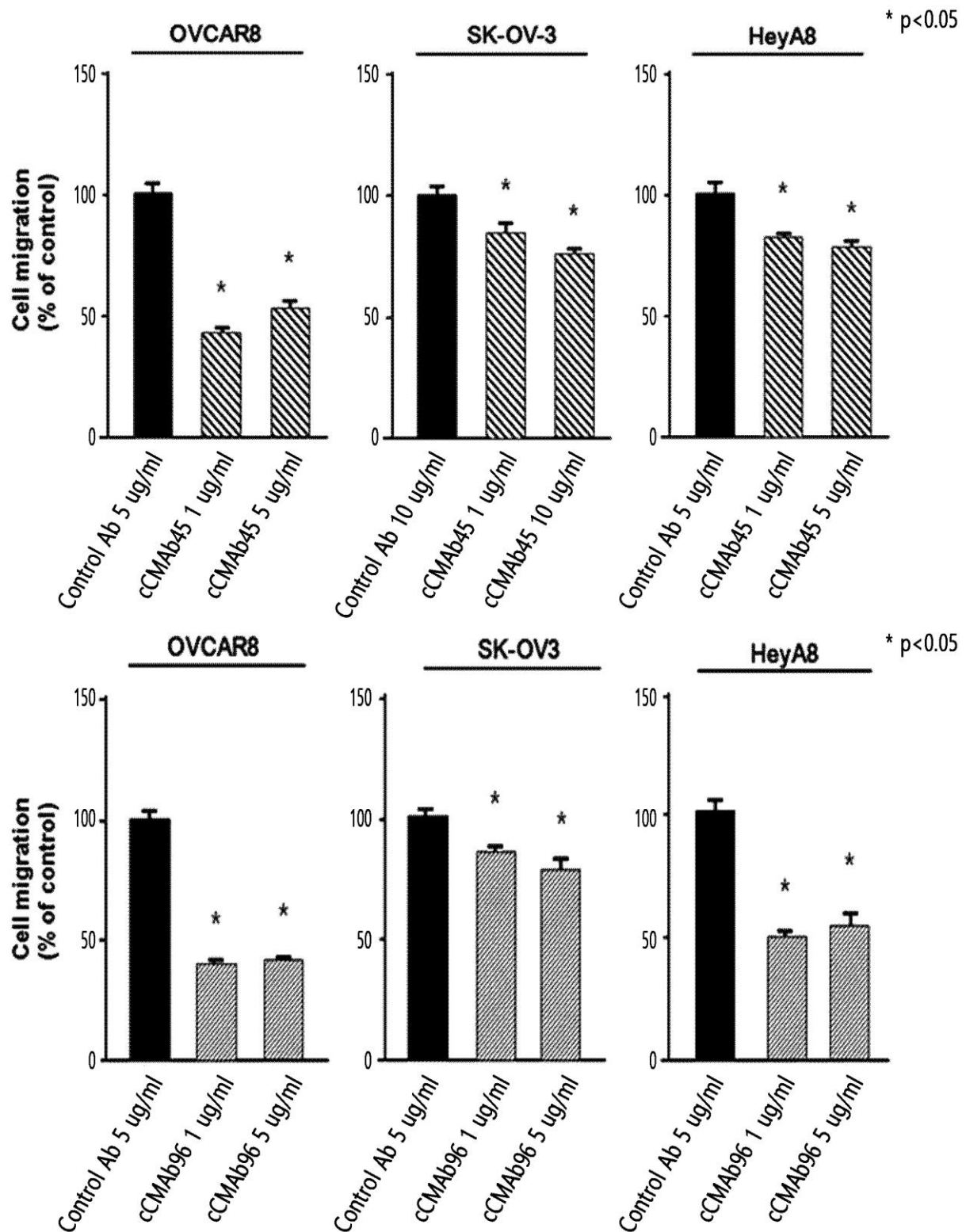
[Fig. 4]



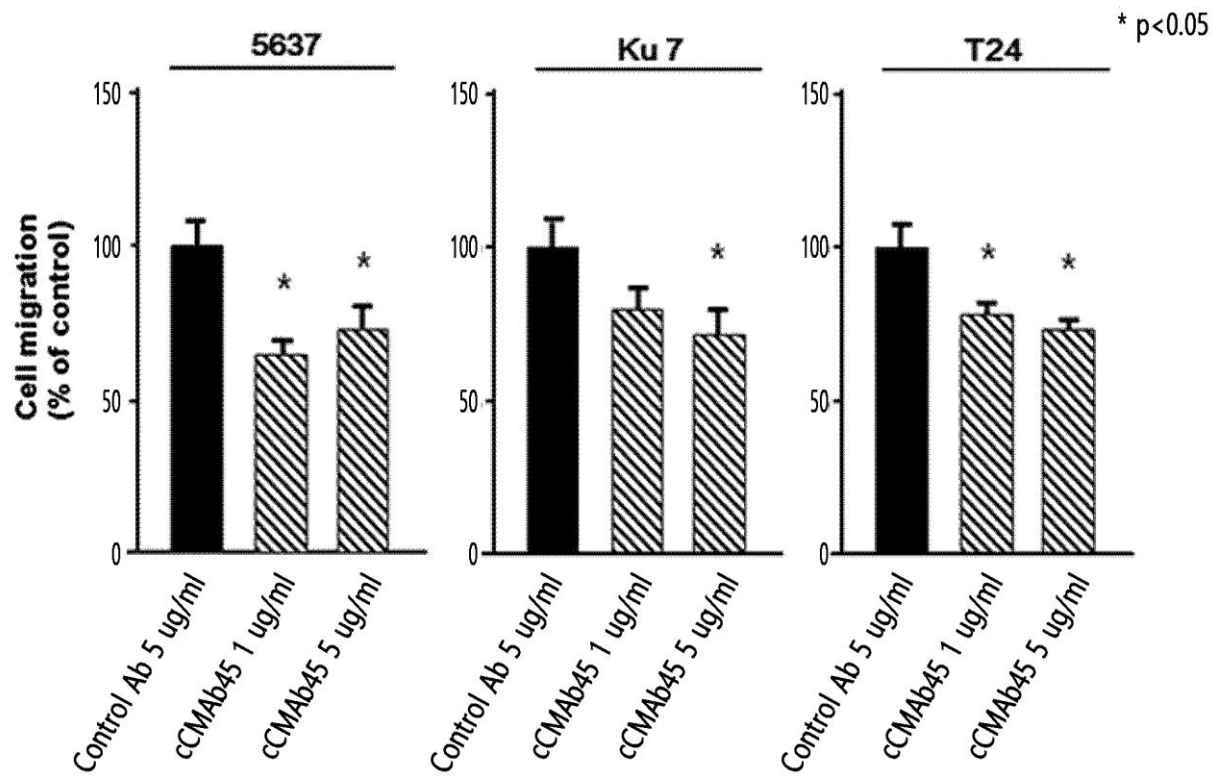
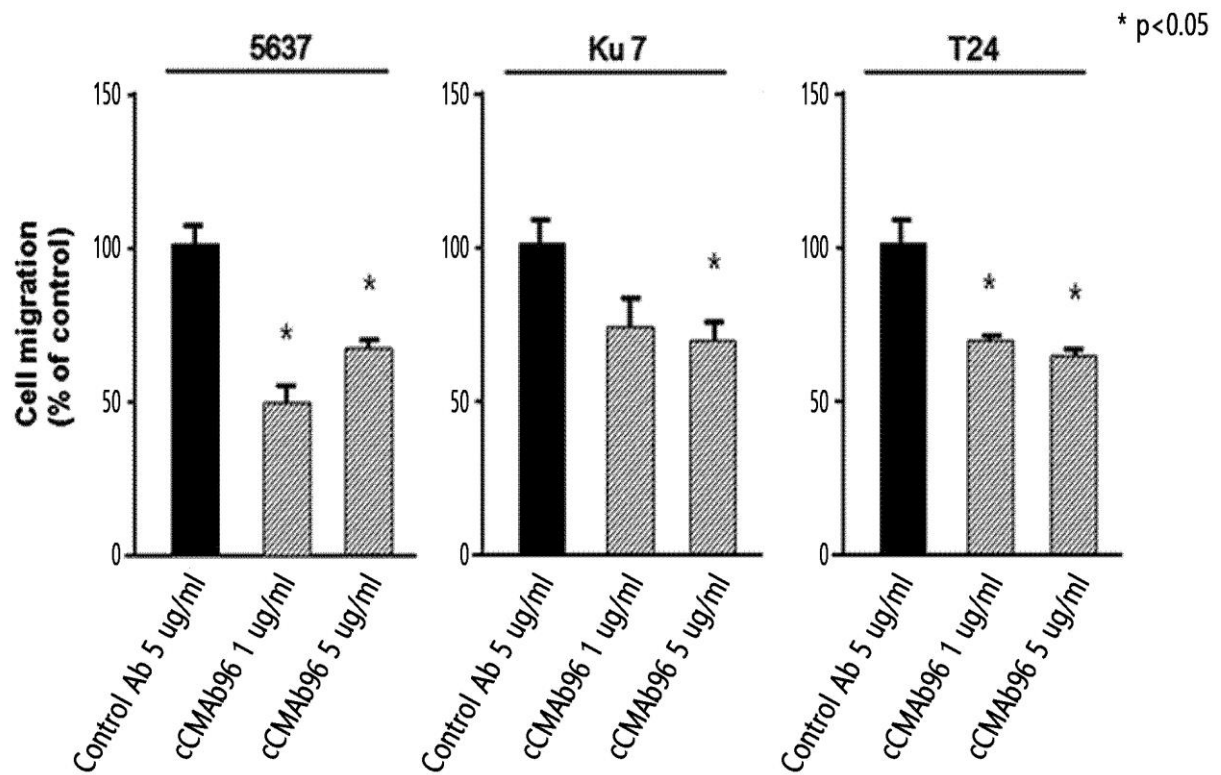
[Fig. 5]



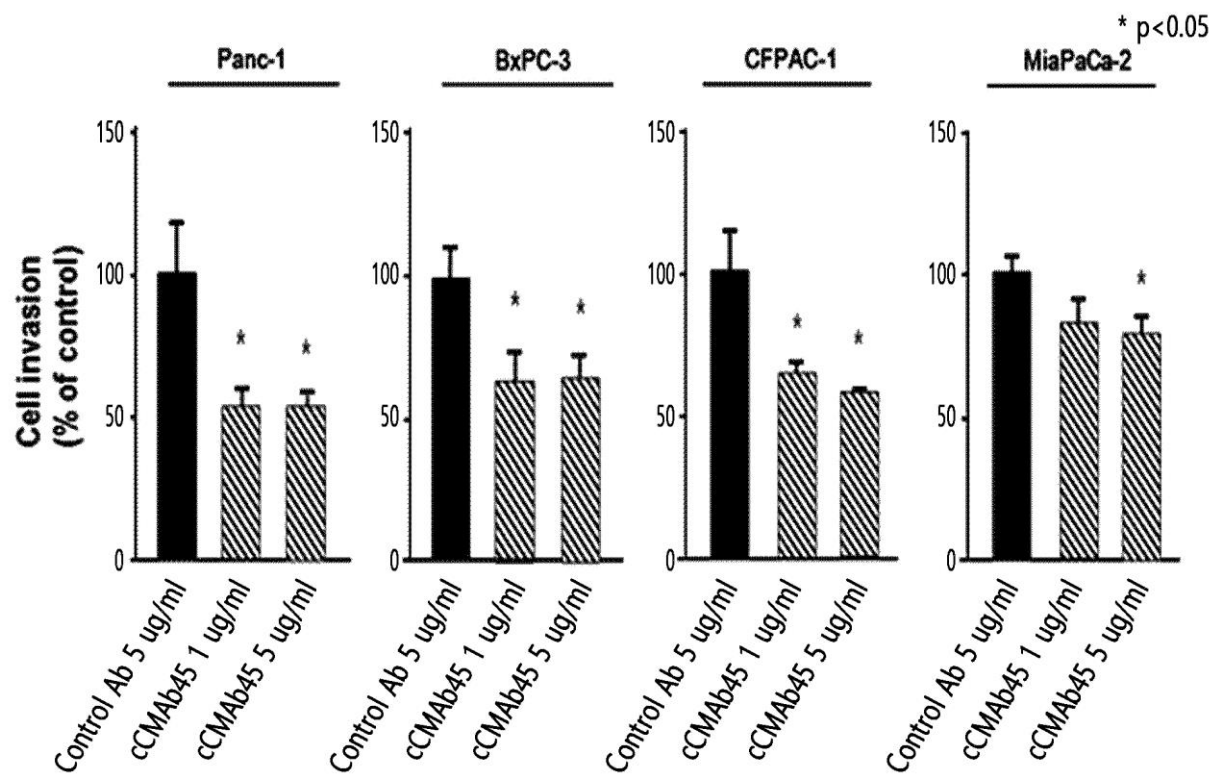
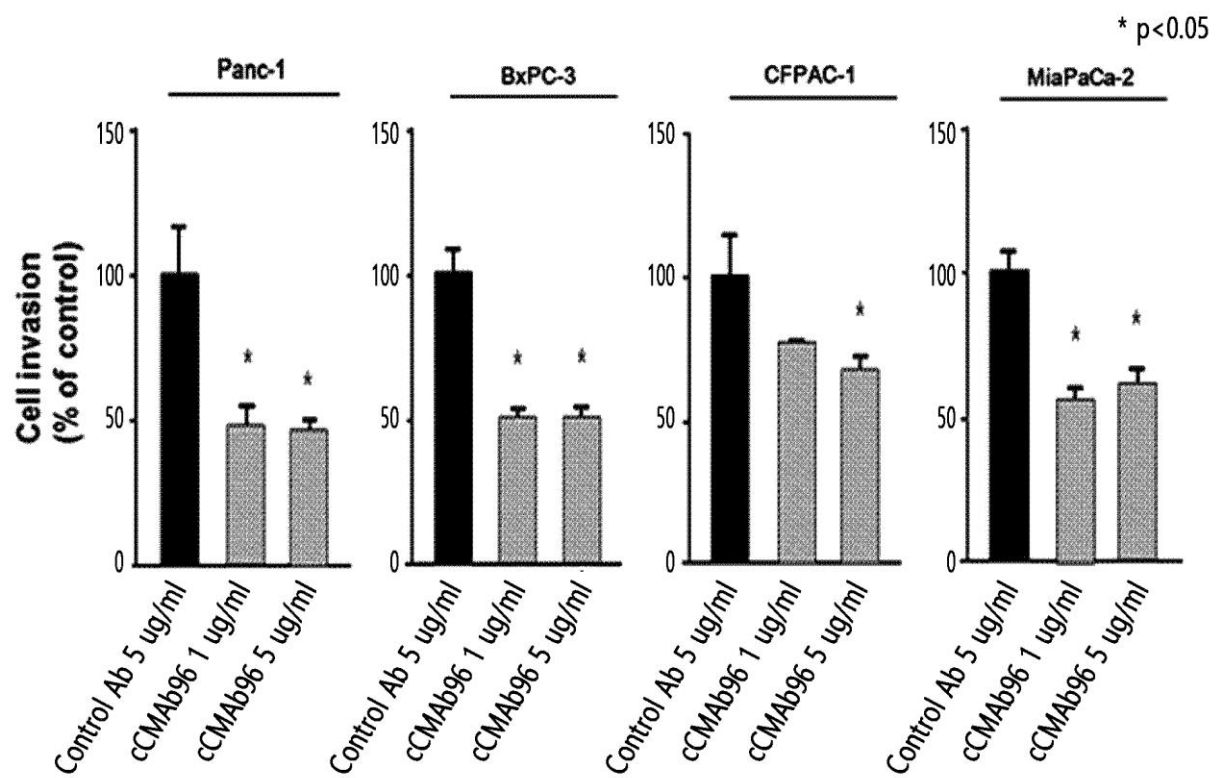
[Fig. 6]



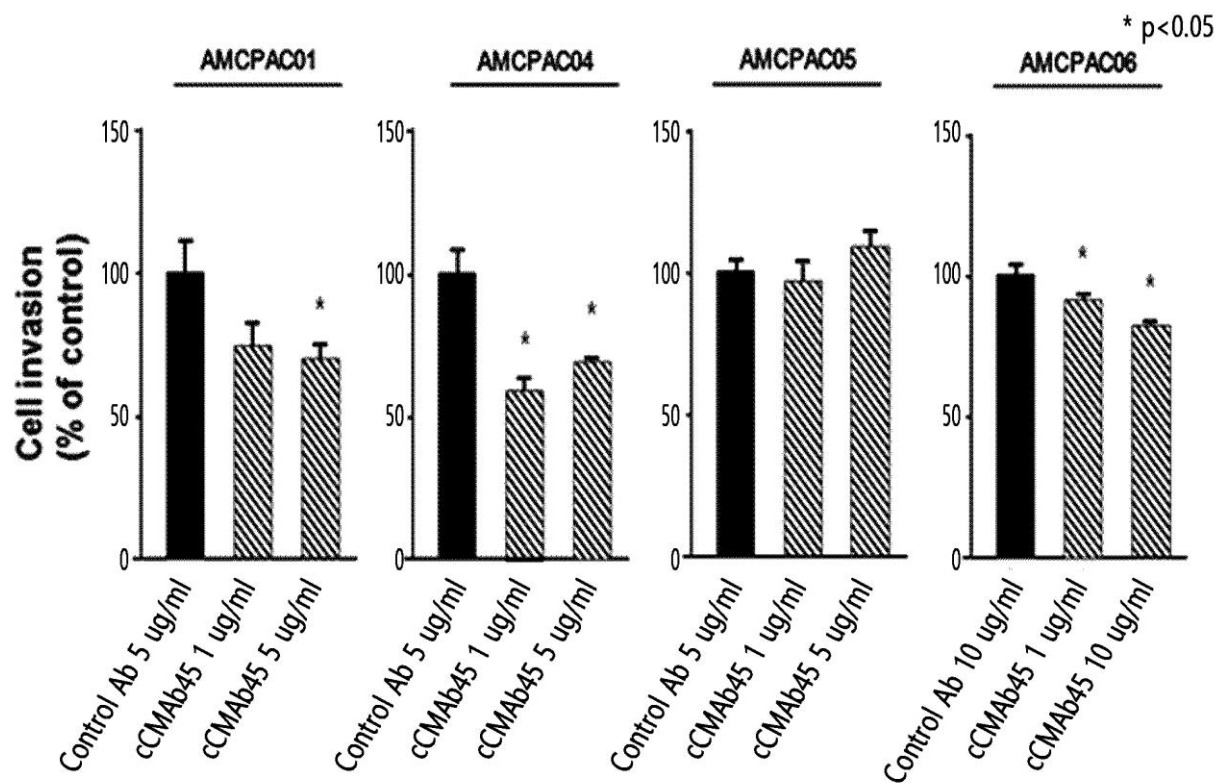
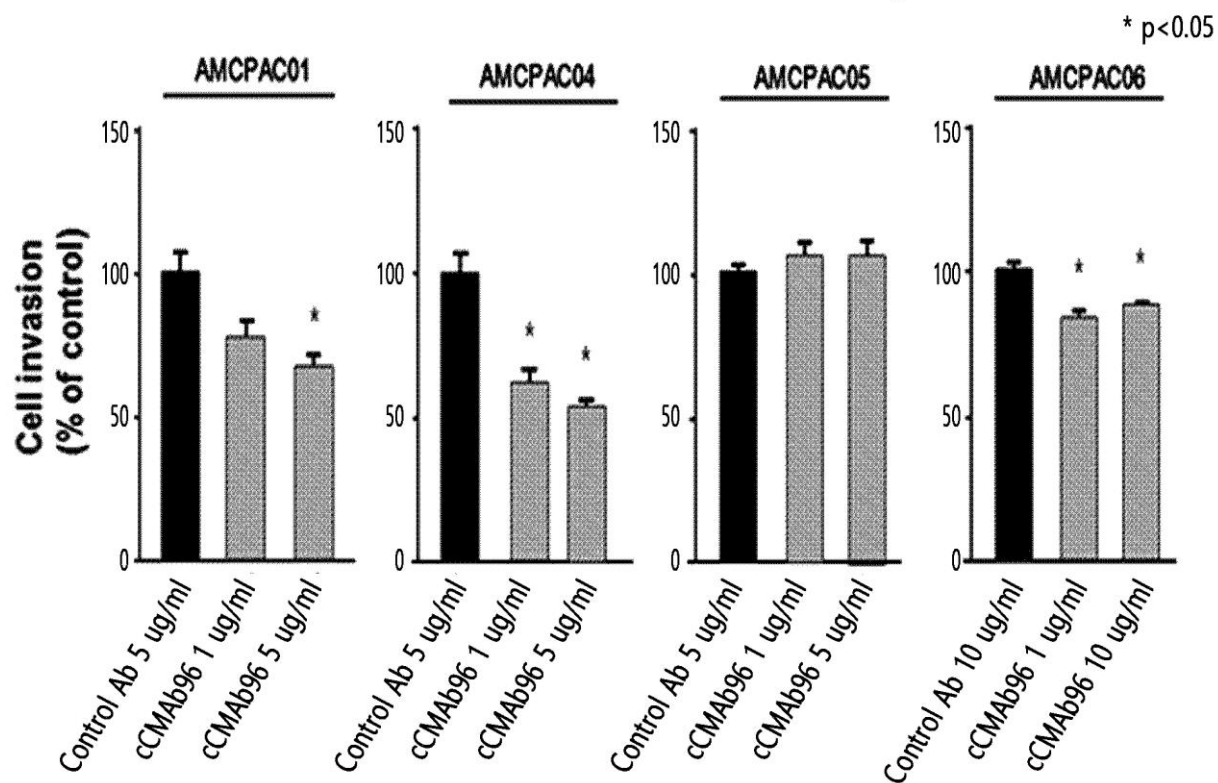
[Fig. 7]



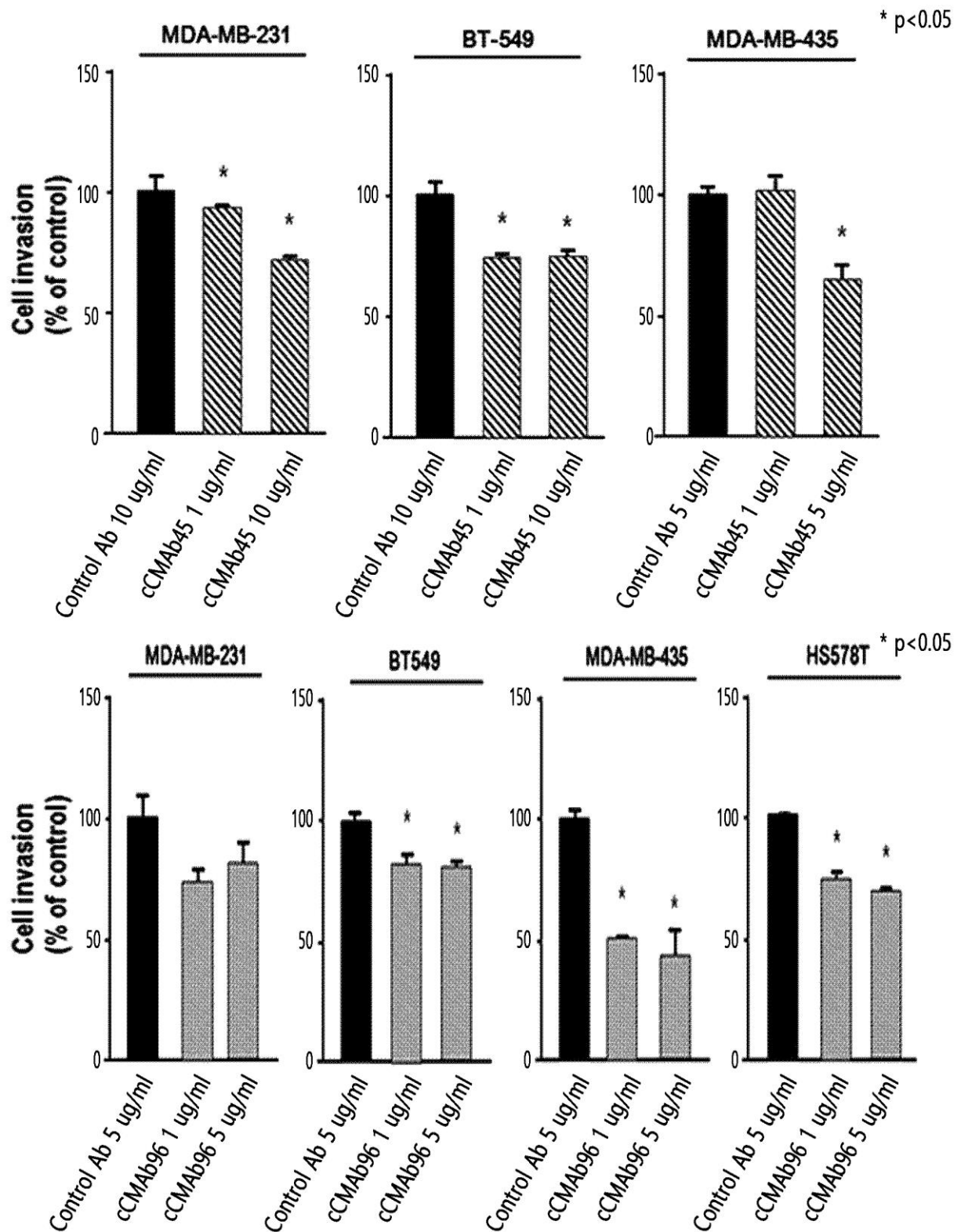
[Fig. 8]



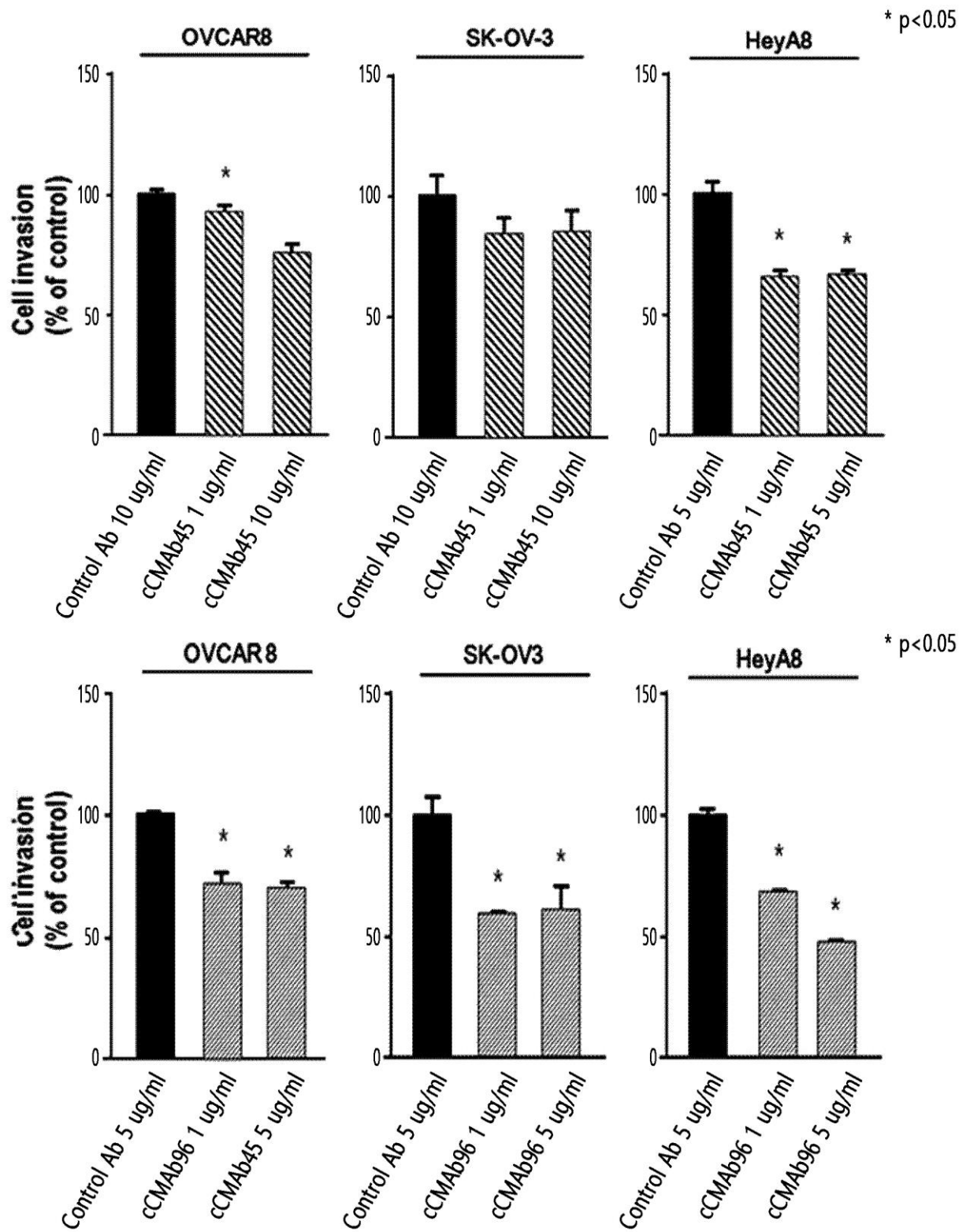
[Fig. 9]



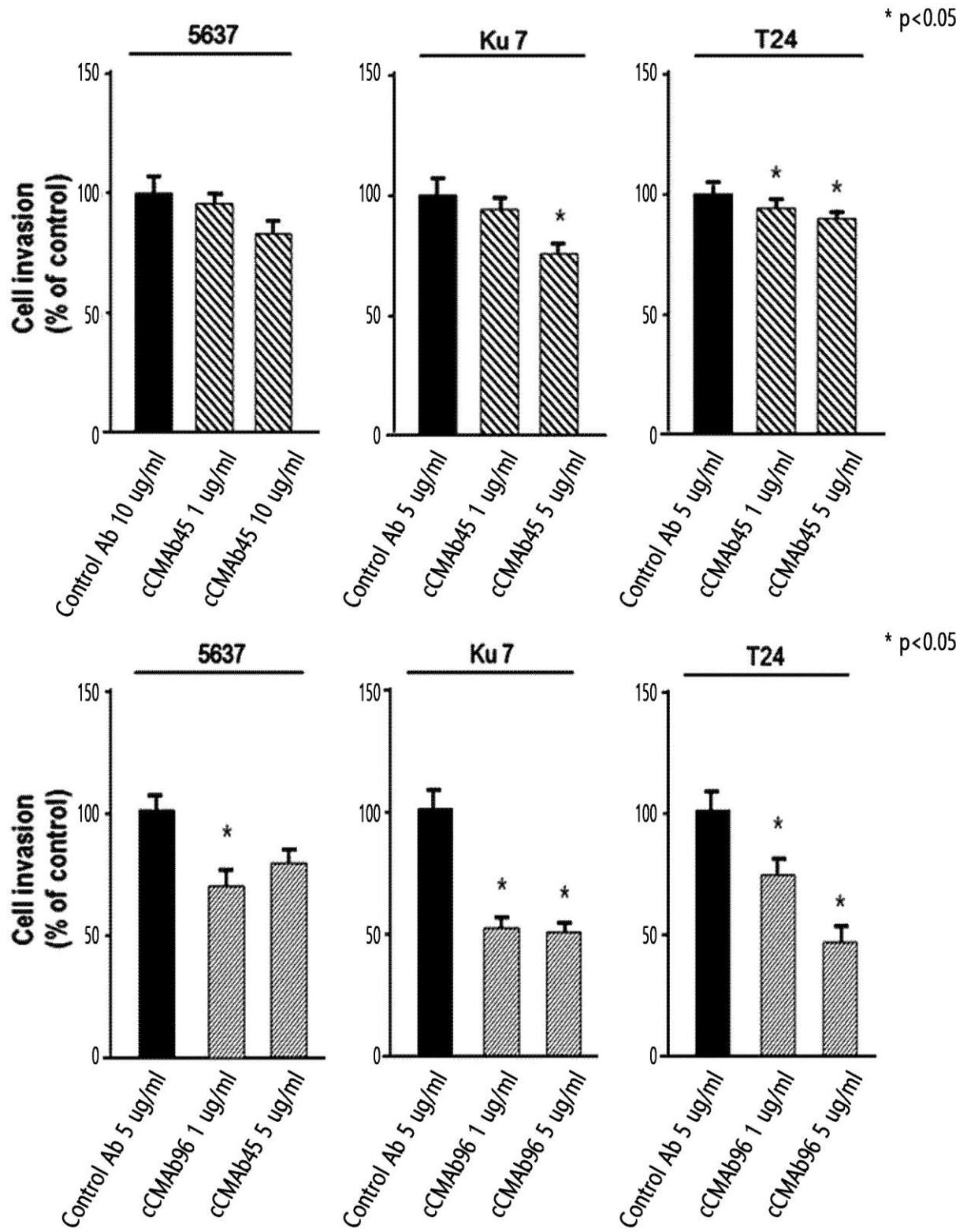
[Fig. 10]



[Fig. 11]

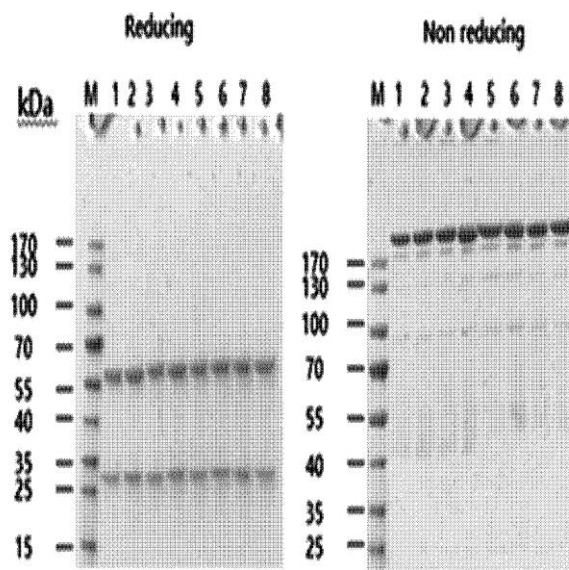


[Fig. 12]



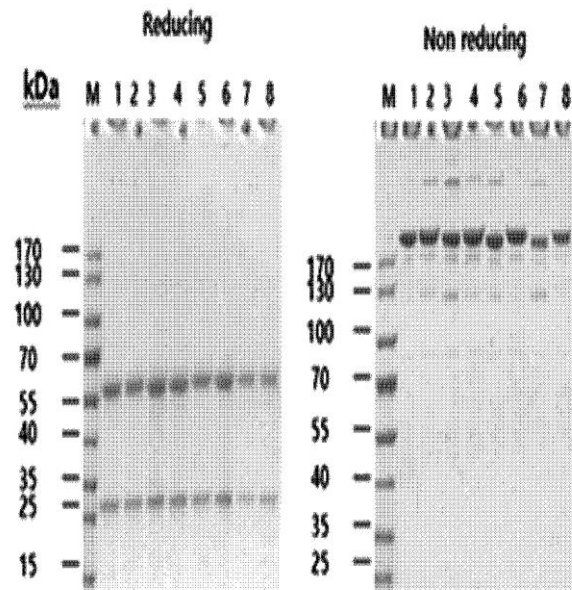
[Fig. 13]

Purification of CTHRC1-4H5-Humanized antibody



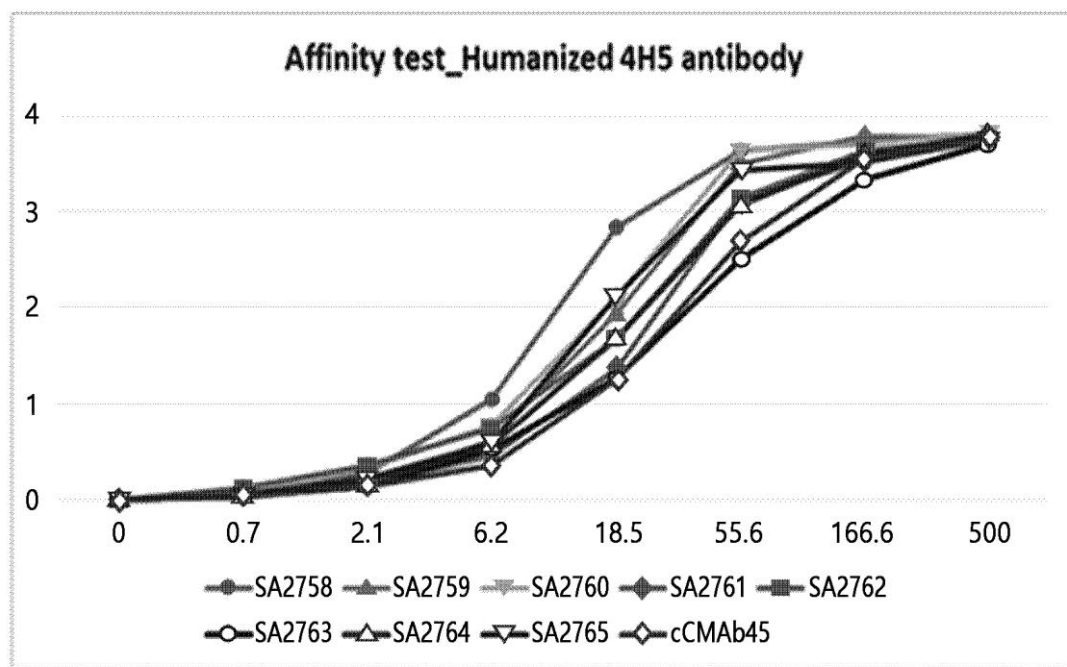
ID	Conc. (mg/ml)	Protein (mg)	Productivity (mg/L)
SA2758	0.35	0.86	21.6
SA2759	0.74	1.83	45.7
SA2760	0.74	1.83	5.7
SA2761	1.09	2.69	67.3
SA2762	0.76	1.88	46.9
SA2763	0.61	1.51	37.7
SA2764	0.81	2.00	50.0
SA2765	0.25	0.62	15.4

Purification of CTHRC1-9E6-Humanized antibody

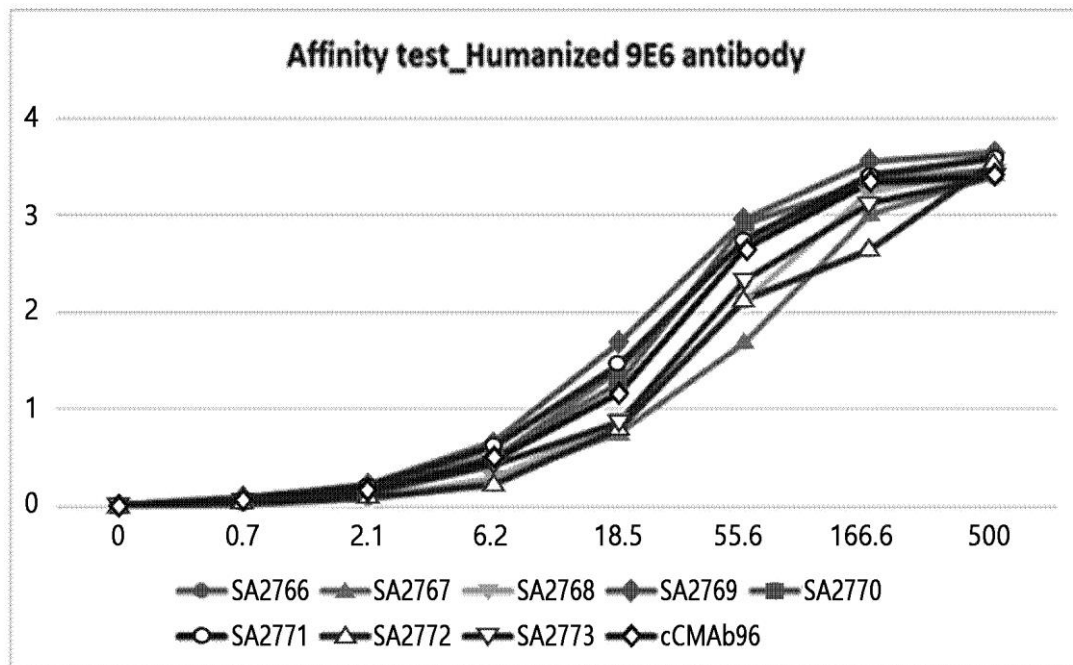


ID	Conc. (mg/ml)	Protein (mg)	Productivity (mg/L)
SA2766	0.29	0.72	17.9
SA2767	0.14	0.35	8.6
SA2768	0.23	0.57	14.2
SA2769	0.54	1.33	33.3
SA2770	0.33	0.82	20.4
SA2771	0.27	0.67	16.7
SA2772	0.05	0.12	3.1
SA2773	0.08	0.20	4.9

[Fig. 14]

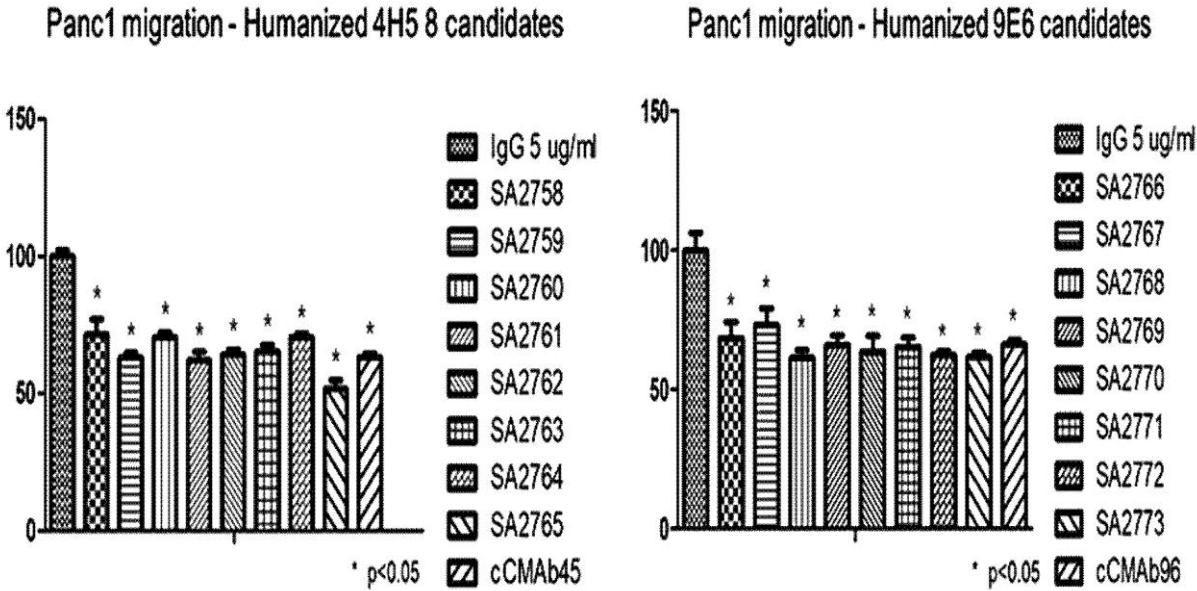


	SA2758	SA2759	SA2760	SA2761	SA2762	SA2763	SA2764	SA2765	cCMAB45
K_D (10^{-10} M)	0.82	1.41	1.18	1.99	1.52	2.50	1.75	1.28	2.57

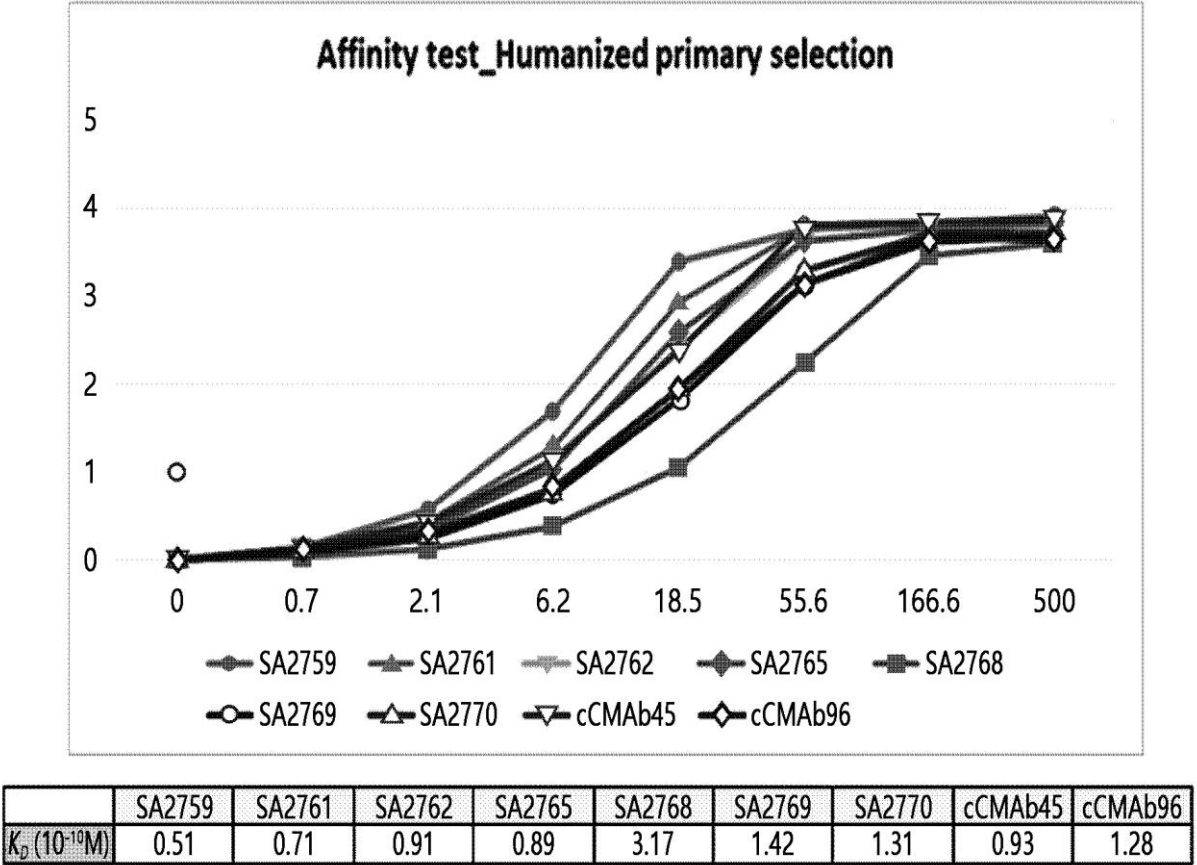


	SA2766	SA2767	SA2768	SA2769	SA2770	SA2771	SA2772	SA2773	cCMAB96
K_D (10^{-10} M)	2.02	4.80	3.52	1.61	1.96	2.21	4.06	3.00	1.87

[Fig. 15]

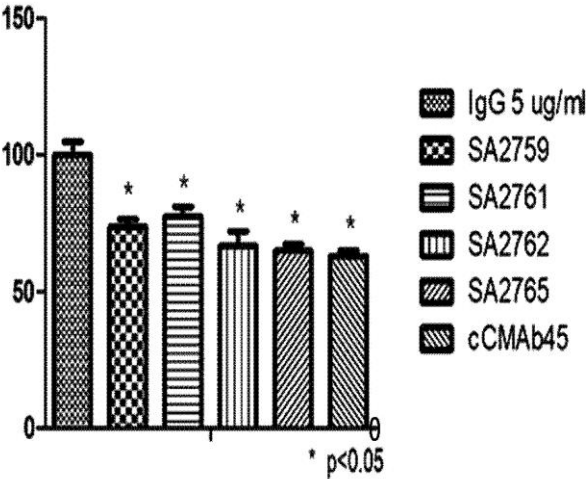


[Fig. 16]

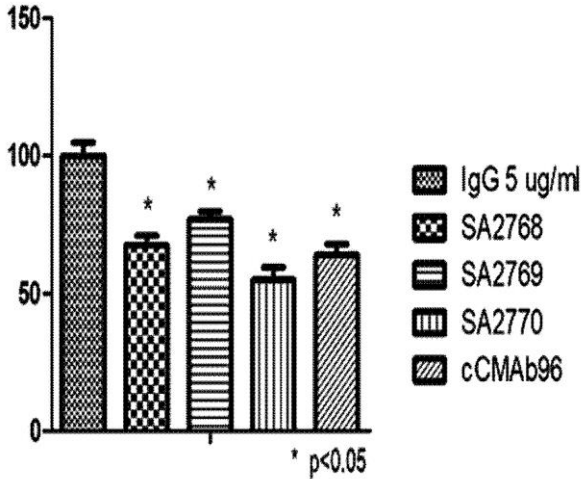


[Fig. 17]

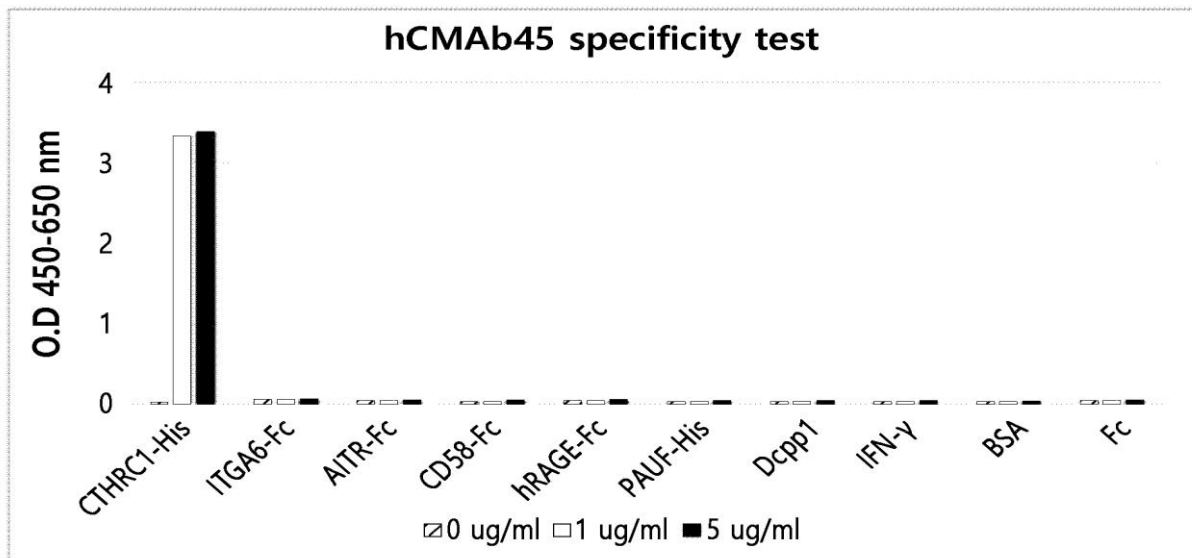
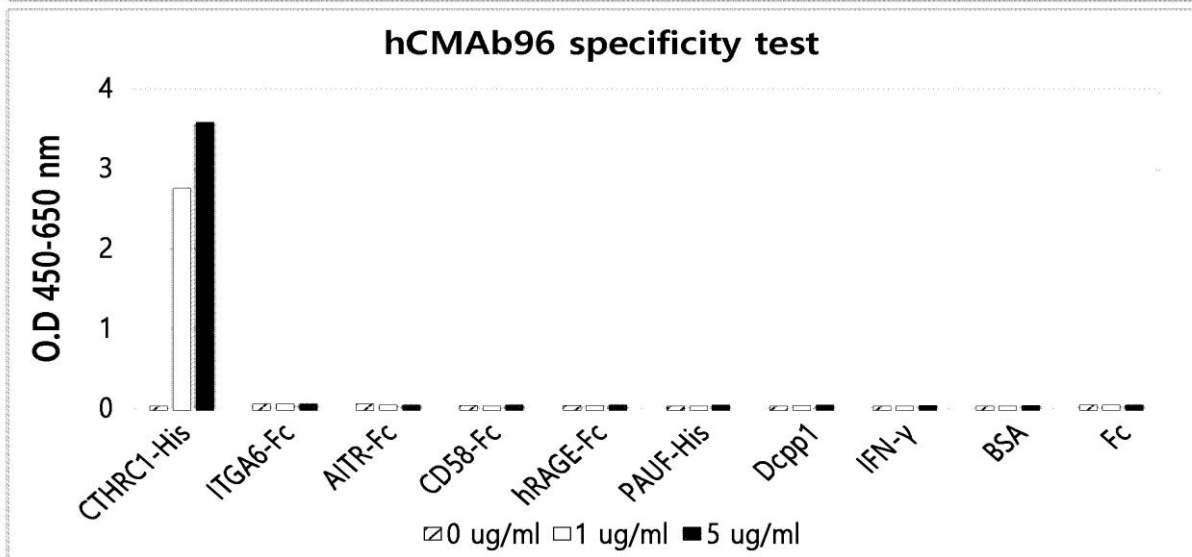
Panc1 migration – 4H5 Humanized primary selection



Panc1 migration – 9E6 Humanized primary selection



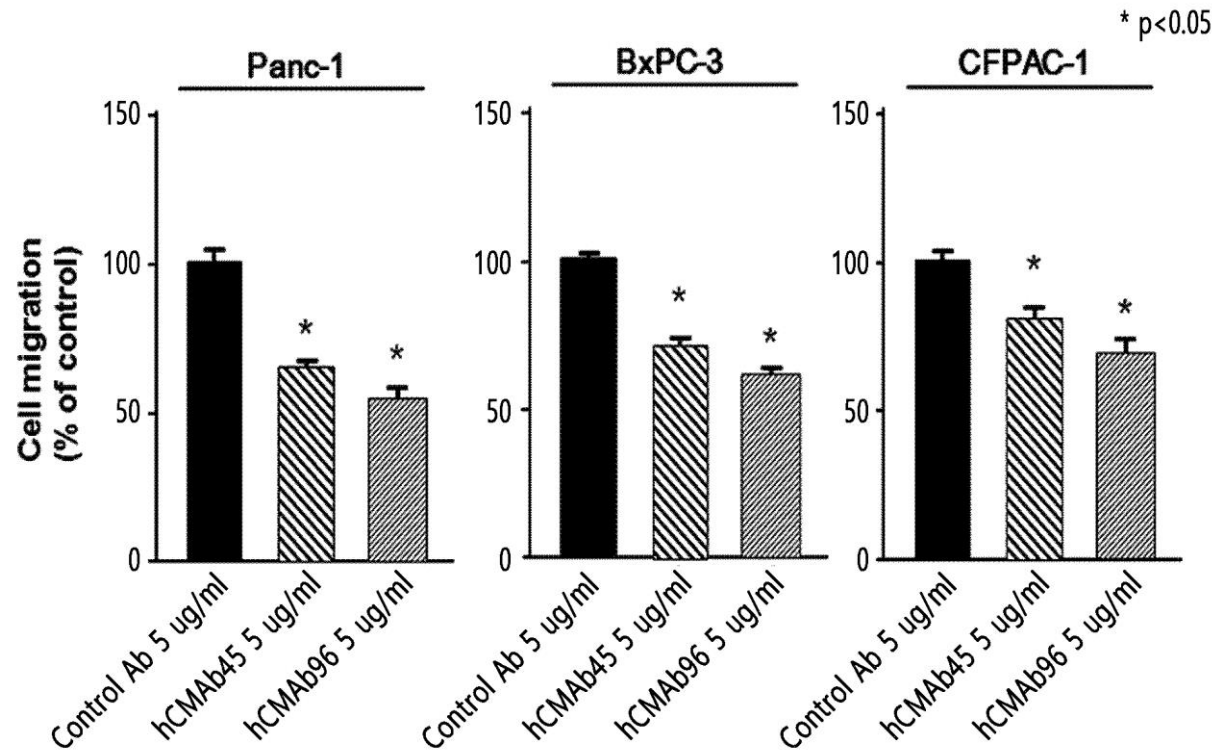
[Fig. 18]



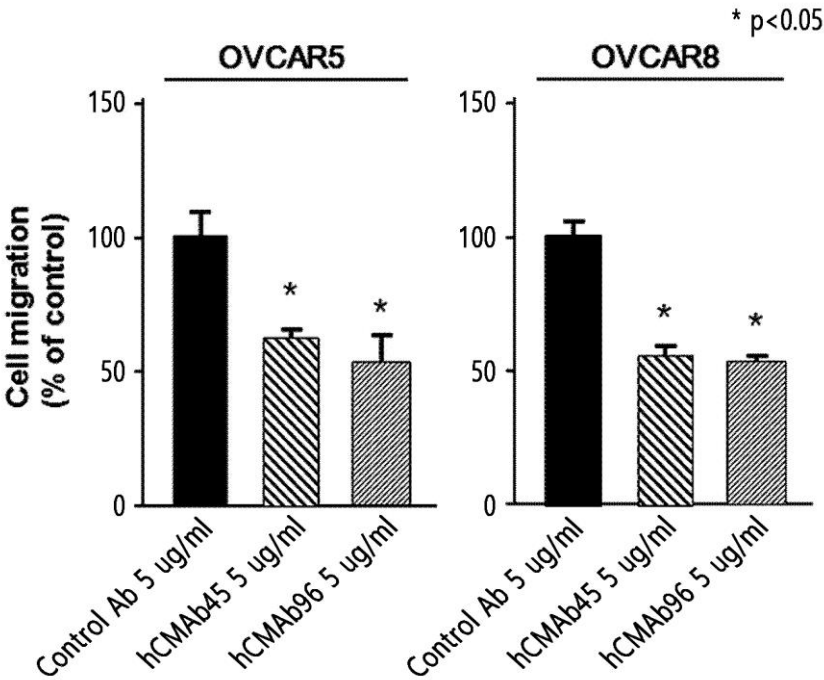
hCMAb45	450-650nm	CTHRC1-His	ITGA6-Fc	AITR-Fc	CD58-Fc	hRAGE-Fc	PAUF-His	Dcpp1	IFN-γ	BSA	Fc
	0ug/ml	0.0064	0.0397	0.0323	0.0192	0.0239	0.0135	0.0066	0.0091	0.0087	0.0363
	1ug/ml	3.3369	0.0386	0.0296	0.0189	0.024	0.0111	0.0082	0.0077	0.0089	0.0273
	5ug/ml	3.3784	0.0431	0.0341	0.0234	0.0287	0.0112	0.0068	0.0083	0.0085	0.0286

hCMAb96	450-650nm	CTHRC1-His	ITGA6-Fc	AITR-Fc	CD58-Fc	hRAGE-Fc	PAUF-His	Dcpp1	IFN-γ	BSA	Fc
	0ug/ml	0.0074	0.0398	0.0381	0.0241	0.0257	0.0118	0.0073	0.0074	0.008	0.0281
	1ug/ml	2.755	0.0371	0.0317	0.0217	0.0238	0.0104	0.0078	0.0075	0.0073	0.0261
	5ug/ml	3.5633	0.0436	0.0352	0.0275	0.0298	0.0107	0.0079	0.0073	0.0074	0.0325

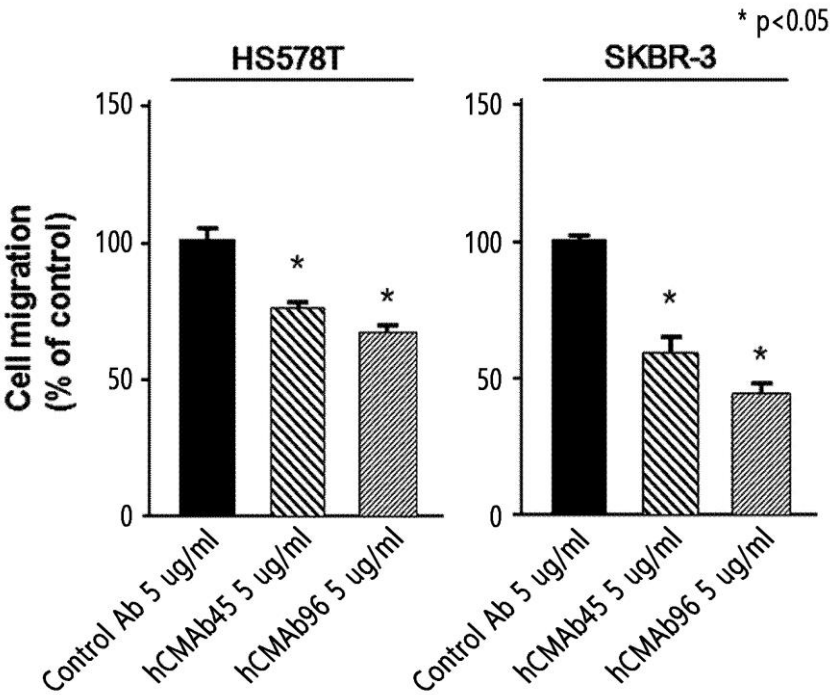
[Fig. 19]



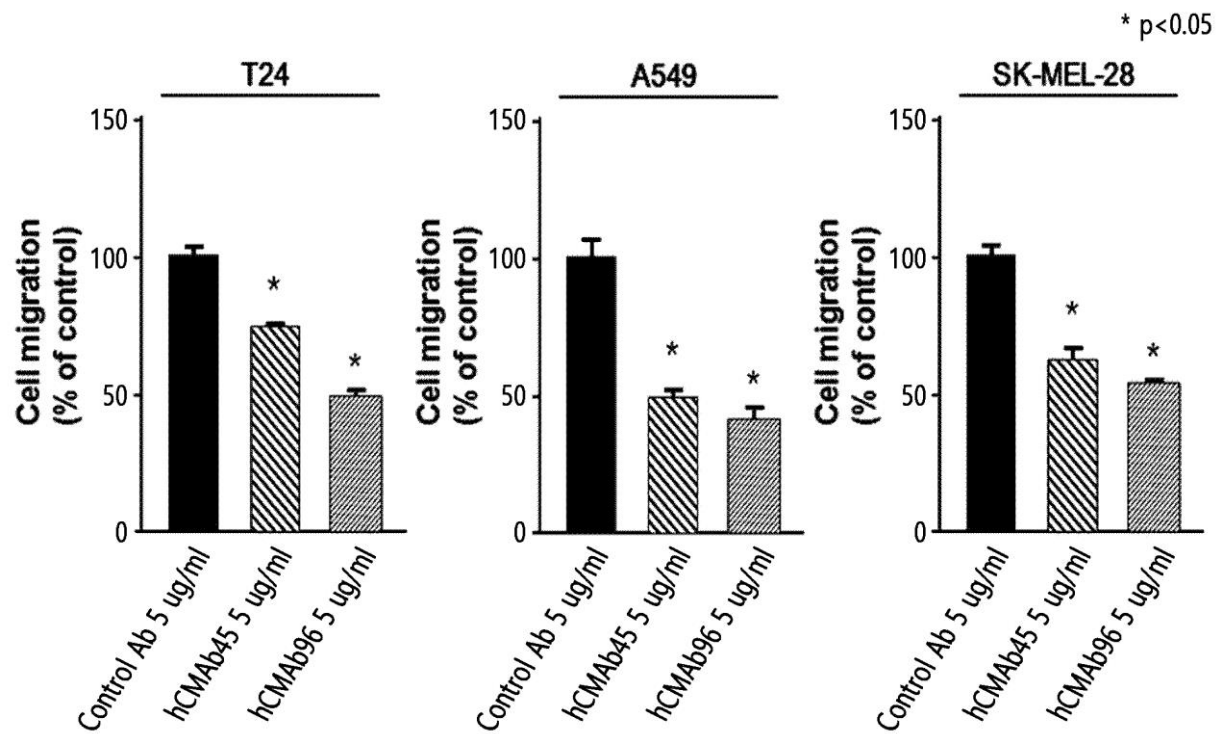
[Fig. 20]



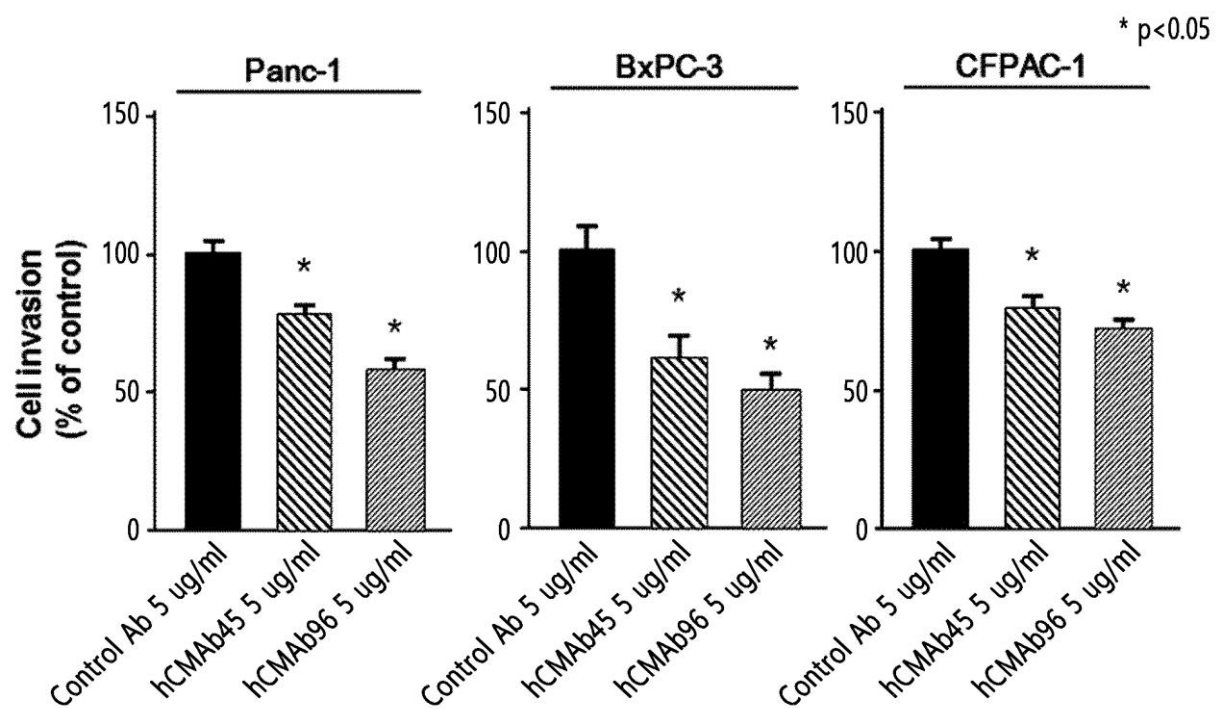
[Fig. 21]



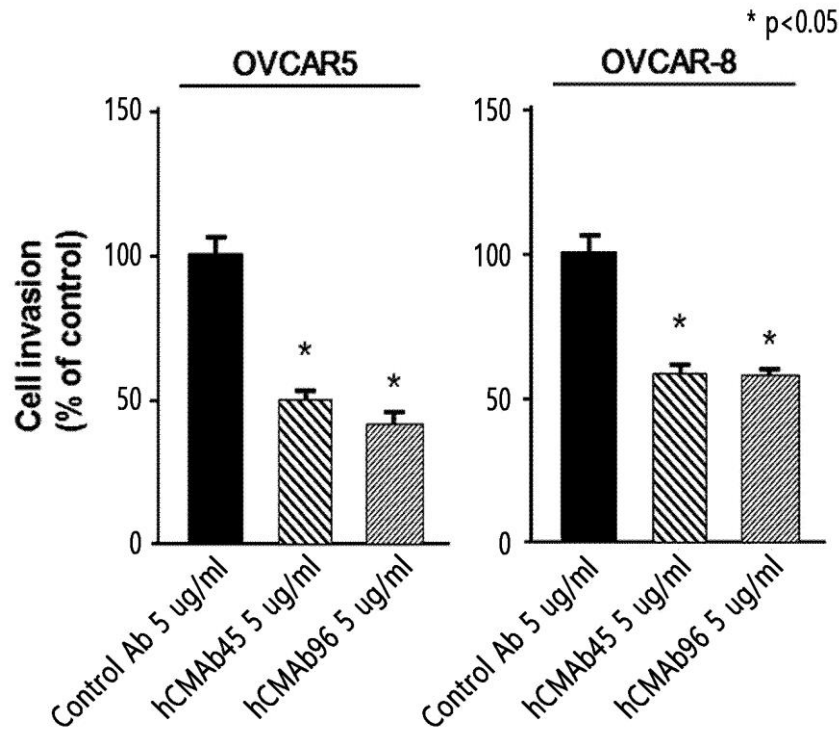
[Fig. 22]



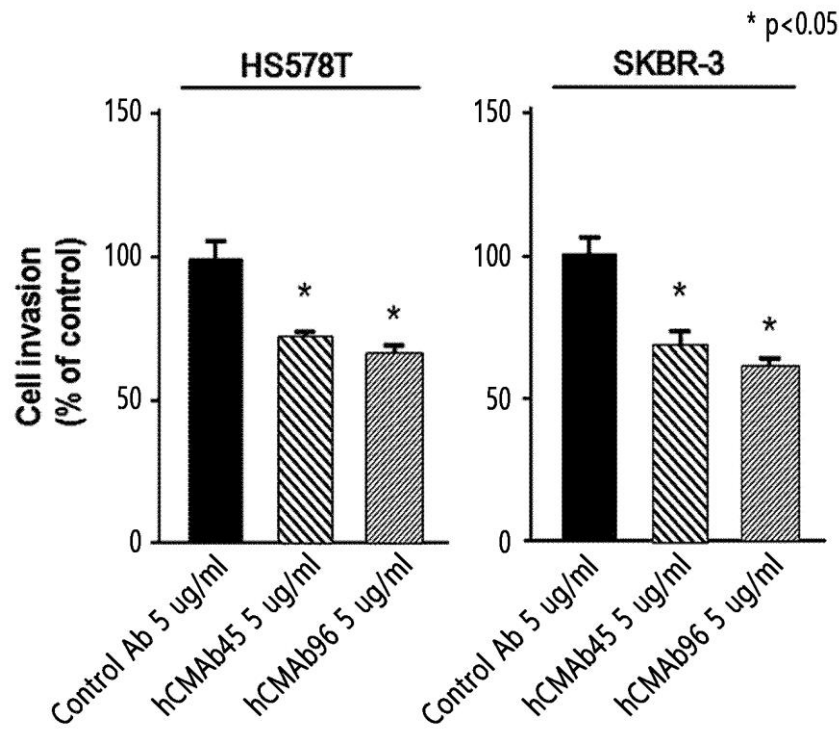
[Fig. 23]



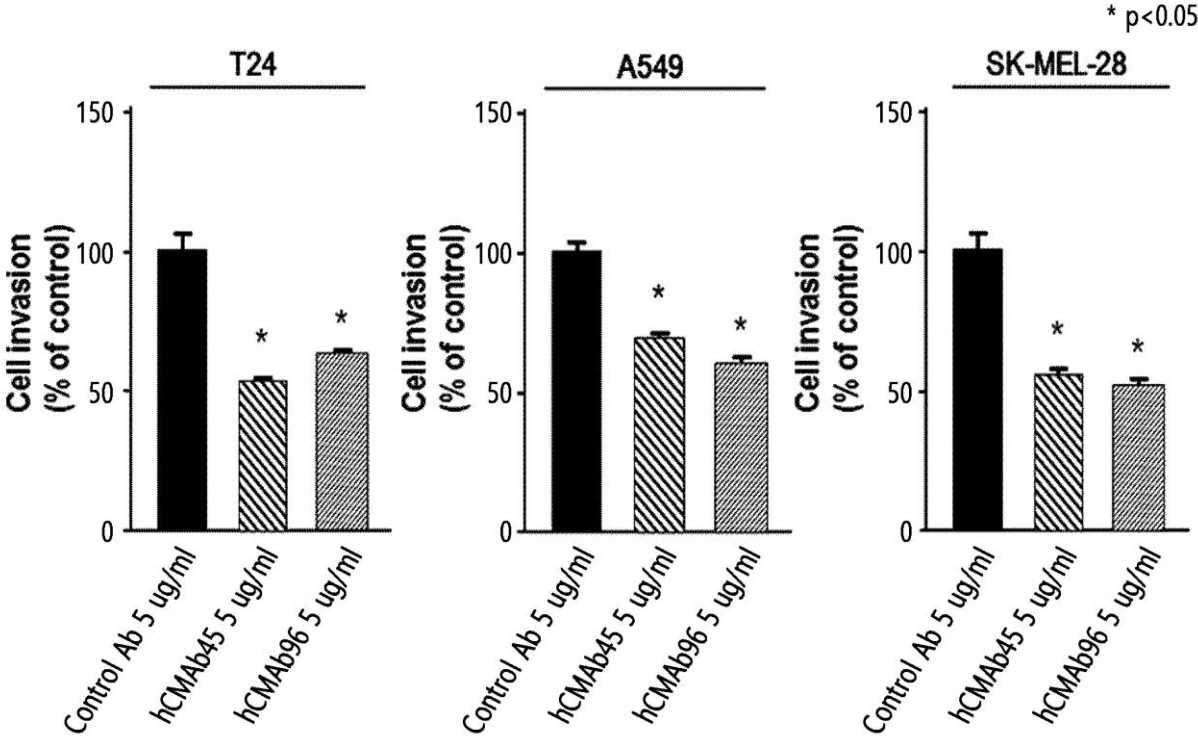
[Fig. 24]



[Fig. 25]



[Fig. 26]



[Fig. 27]

