

FIG. 1A	IGHG1*05_wt	EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF	60	
	IGHG1*03_wt	EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF	60	

	IGHG1*05_wt	NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT	120	
	IGHG1*03_wt	NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT	120	

	IGHG1*05_wt	ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP	180	
	IGHG1*03_wt	ISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP	180	
		*****. *:*****		
	IGHG1*05_wt	PVLDSGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNHYTQKSLSLSPGK	232	(SEQ ID NO: 7)
	IGHG1*03_wt	PVLDSGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNHYTQKSLSLSPGK	232	(SEQ ID NO: 8)

FIG. 1B	M1-5	-----DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF	55	
	IGHG1*03_wt	EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF	60	

	M1-5	NWYVDGVEVHNAKTKPREEQYASTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT	115	
	IGHG1*03_wt	NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT	120	

	M1-5	ISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP	175	
	IGHG1*03_wt	ISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP	180	

	M1-5	PVLDSGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNHYTQKSLSLSPGK	227	(SEQ ID NO: 10)
	IGHG1*03_wt	PVLDSGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNHYTQKSLSLSPGK	232	(SEQ ID NO: 8)

FIG. 1C

M3-5 -----DKTHTCPPCPAPEAAGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 55
IGHG1*03_wt EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60

M3-5 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPASIEKT 115
IGHG1*03_wt NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAIEKT 120

M3-5 ISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 175
IGHG1*03_wt ISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180

M3-5 PVLDSGSEFFLYSKLTVDKSRWQQGNVSCVMHEALHNHYTQKSLSLSPGK 227 (SEQ ID NO: 12)
IGHG1*03_wt PVLDSGSEFFLYSKLTVDKSRWQQGNVSCVMHEALHNHYTQKSLSLSPGK 232 (SEQ ID NO: 8)

FIG. 1D

M5-5 -----DKTHTCPPCPAPEAAGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 55
IGHG1*03_wt EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60

M5-5 NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPSSIEKT 115
IGHG1*03_wt NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAIEKT 120

M5-5 ISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 175
IGHG1*03_wt ISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180

M5-5 PVLDSGSEFFLYSKLTVDKSRWQQGNVSCVMHEALHNHYTQKSLSLSPGK 227 (SEQ ID NO: 14)
IGHG1*03_wt PVLDSGSEFFLYSKLTVDKSRWQQGNVSCVMHEALHNHYTQKSLSLSPGK 232 (SEQ ID NO: 8)

FIG. 1E

IGHG1*03_wt	EPKSCDKTHTCPPCPAPE ELL GGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF	60	
M7	EPKSCDKTHTCPPCPAP PVA --GPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF	59	
IGHG1*03_wt	NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT	120	
M7	NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKGLPSSIEKT	119	
IGHG1*03_wt	ISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP	180	
M7	ISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP	179	
IGHG1*03_wt	PVLDSGSEFLYSKLTVDKSRWQQGNVFSQSVMEALHNHYTQKSLSLSPGK	232	(SEQ ID NO: 8)
M7	PVLDSGSEFLYSKLTVDKSRWQQGNVFSQSVMEALHNHYTQKSLSLSPGK	231	(SEQ ID NO: 15)

FIG. 1F

IGHG4_wt	ESKYGPPCPSCPAPEFLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSQEDPEVQFNWY	60	
Modified_G4	ESKYGPPCPCPAPEAAGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSQEDPEVQFNWY	60	
	*****. *****		
IGHG4_wt	VDGVEVHNAKTKPREEQFNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKGLPSSIEKTISK	120	
Modified_G4	VDGVEVHNAKTKPREEQFNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKGLPSSIEKTISK	120	

IGHG4_wt	AKGQPREPQVYTLPPSQEEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPV	180	
Modified_G4	AKGQPREPQVYTLPPSQEEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPV	180	

IGHG4_wt	DSDGSFFLYSRLTVDKSRWQEGNVFSCSVMEALHNHYTQKSLSLGLK	229	(SEQ ID NO: 17)
Modified_G4	DSDGSFFLYSRLTVDKSRWQEGNVFSCSVMEALHNHYTQKSLSLGLK	229	(SEQ ID NO: 18)

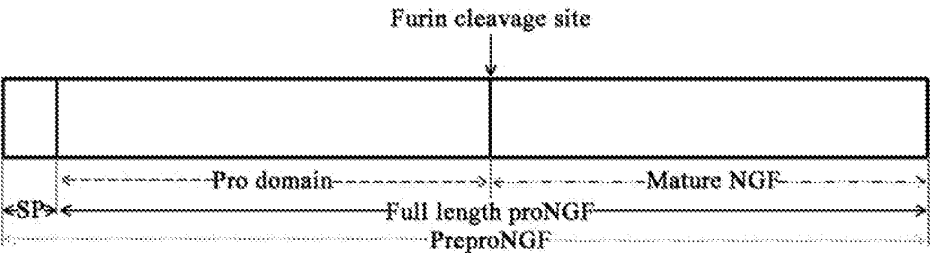


FIG. 2

NGF-4-12PAA	0h	3d	7d	9d	14d
Aggregate%	2.38	8.7	10.73	10.11	9.45
Monomer%	95.18	72.21	55.08	47.79	40.96
Fragment%	2.44	19.09	34.19	42.1	49.59

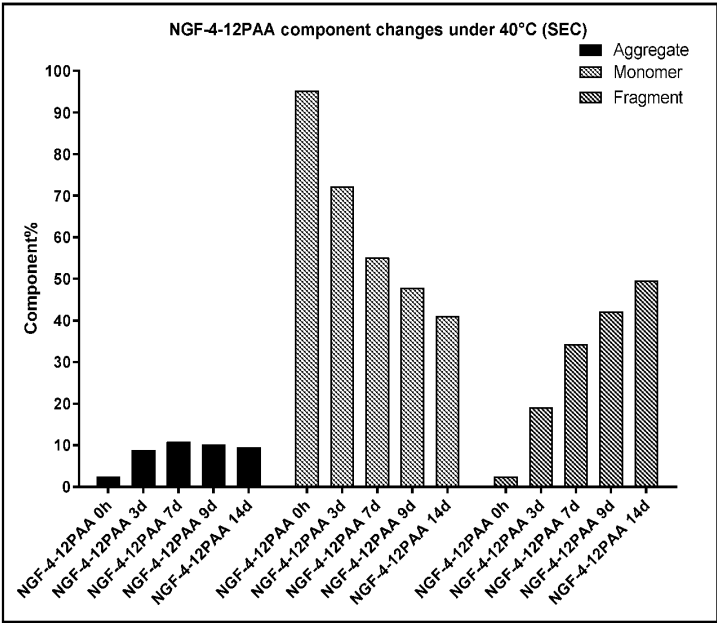


FIG. 3A

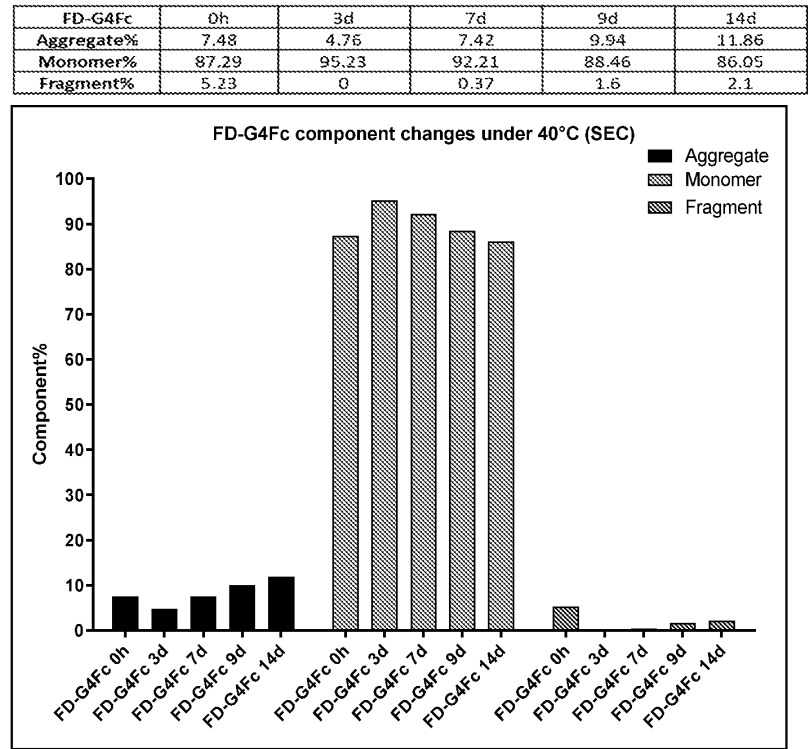


FIG. 3B

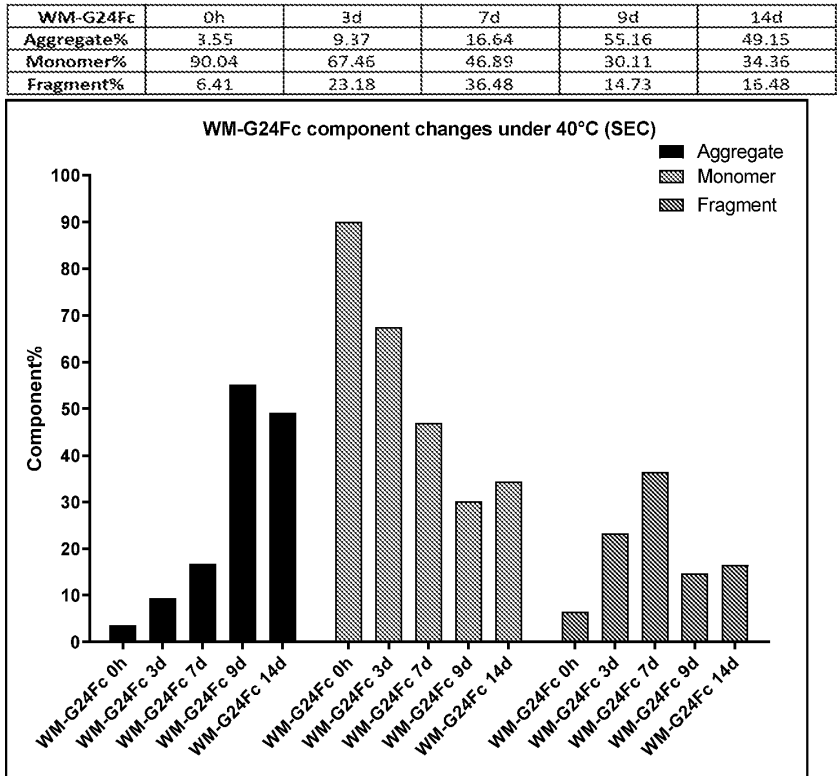


FIG. 3C

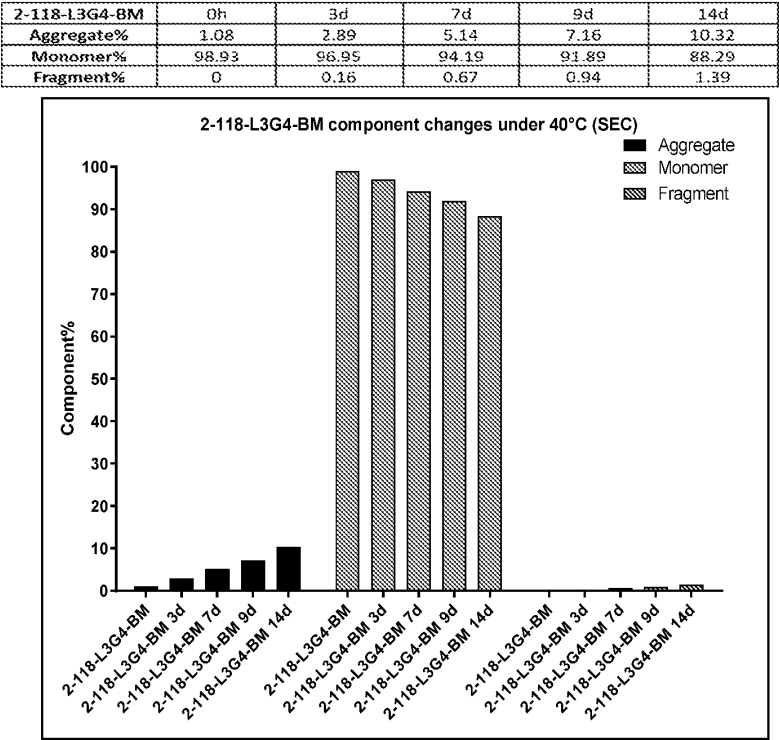


FIG. 3D

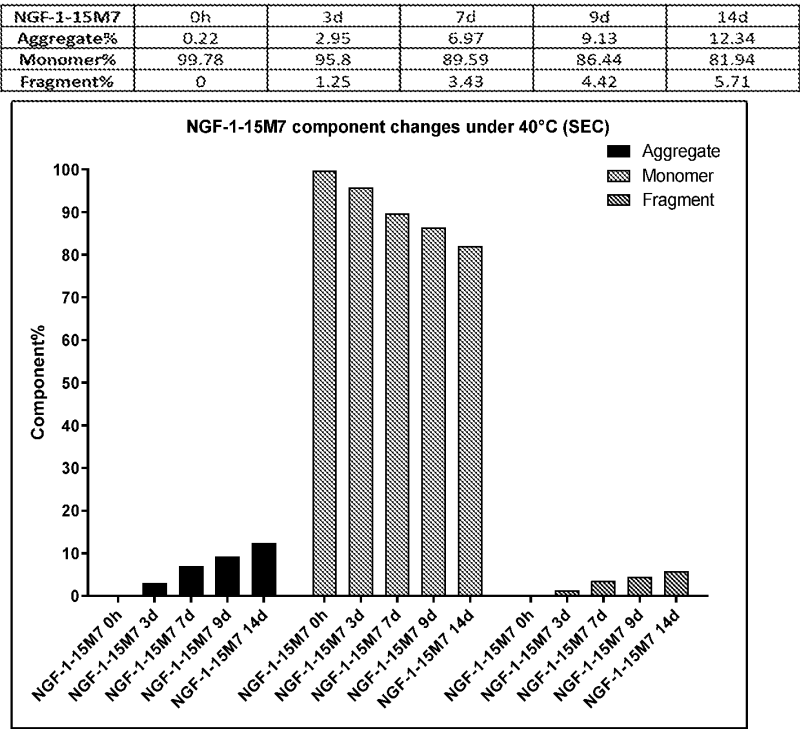


FIG. 3E

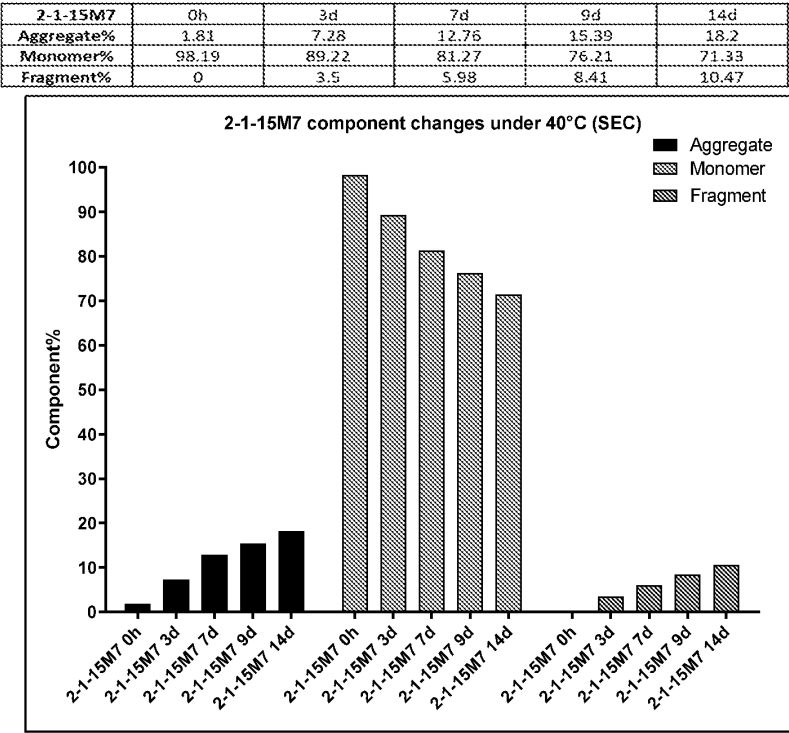


FIG. 3F

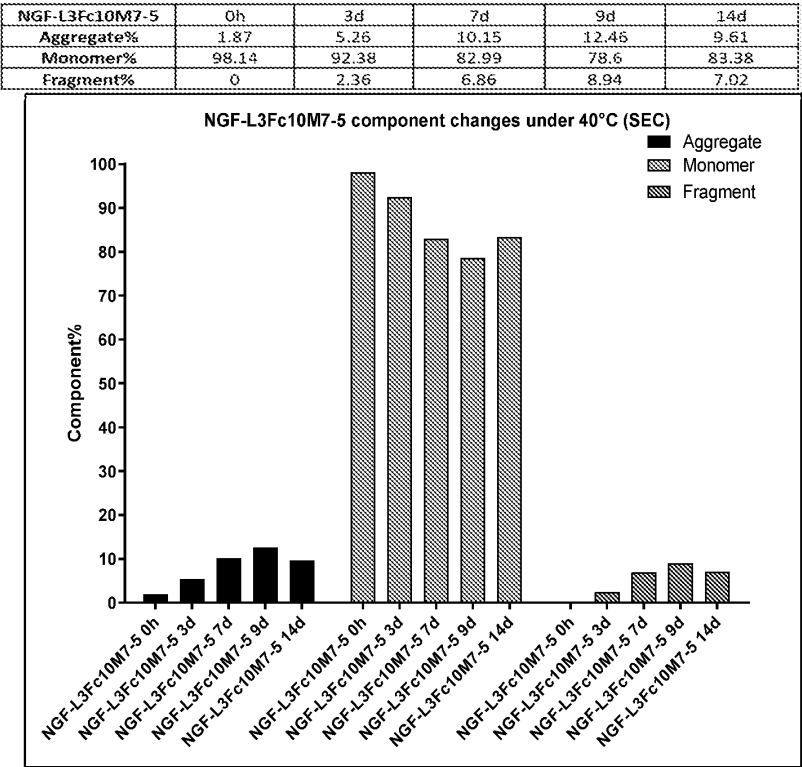


FIG. 3G

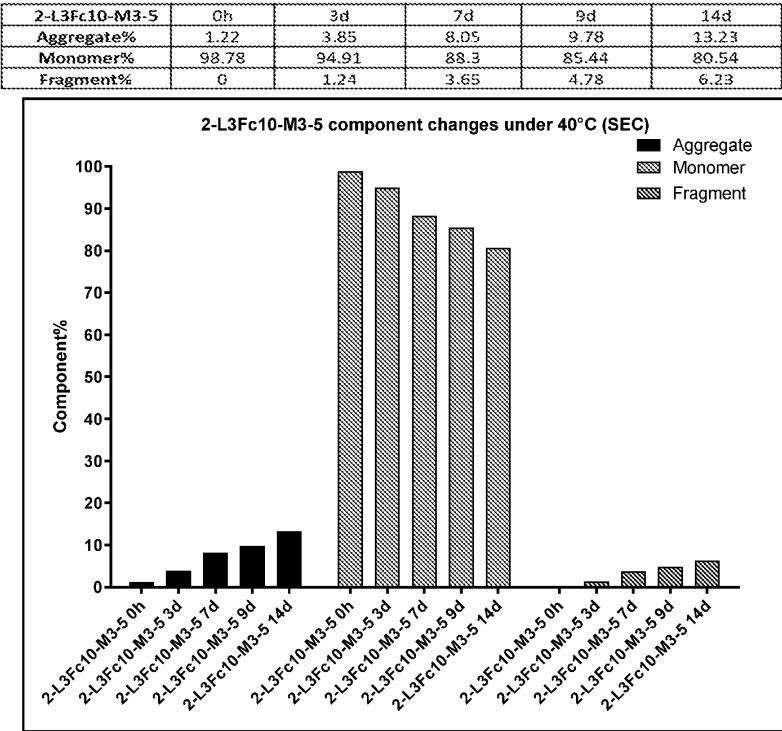


FIG. 3H

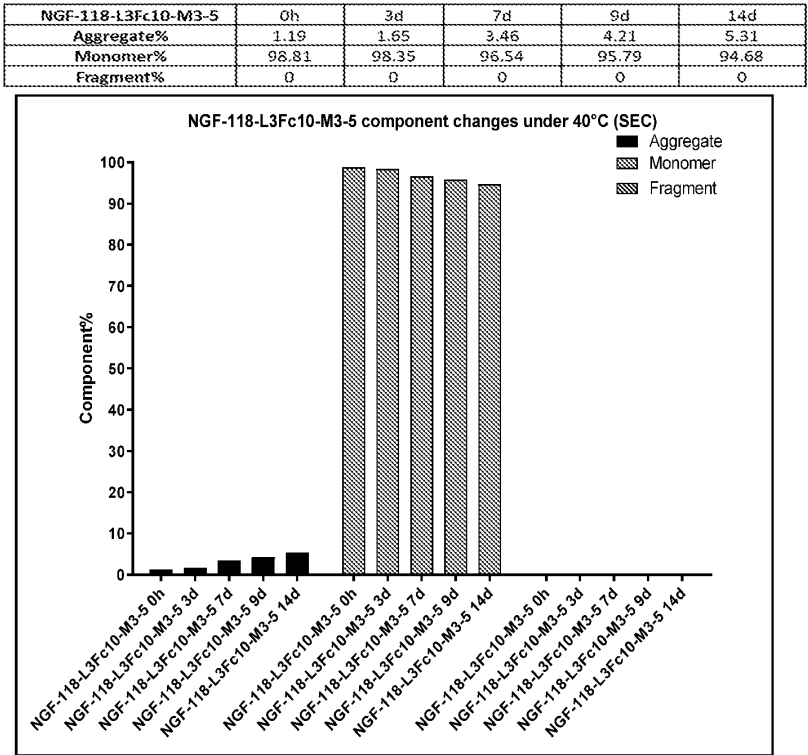


FIG. 3I

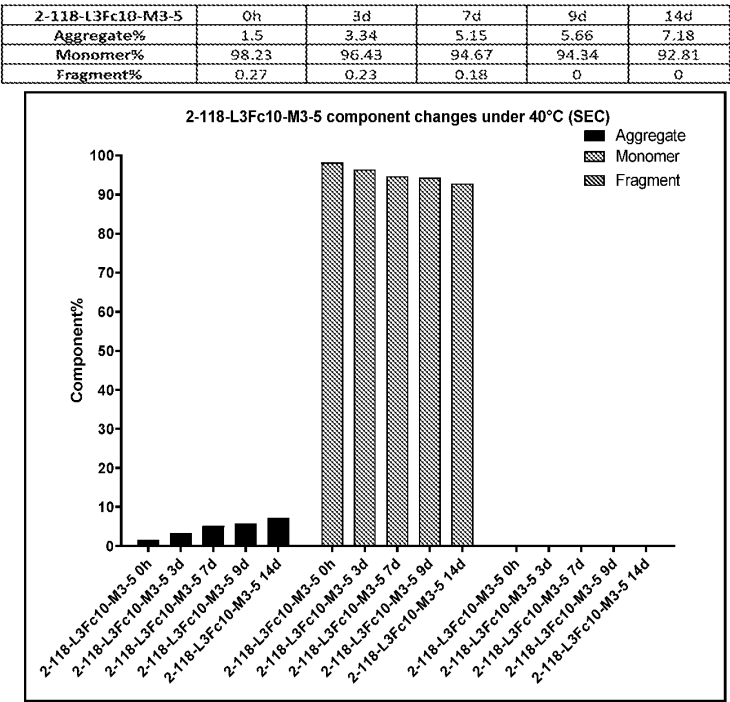


FIG. 3J

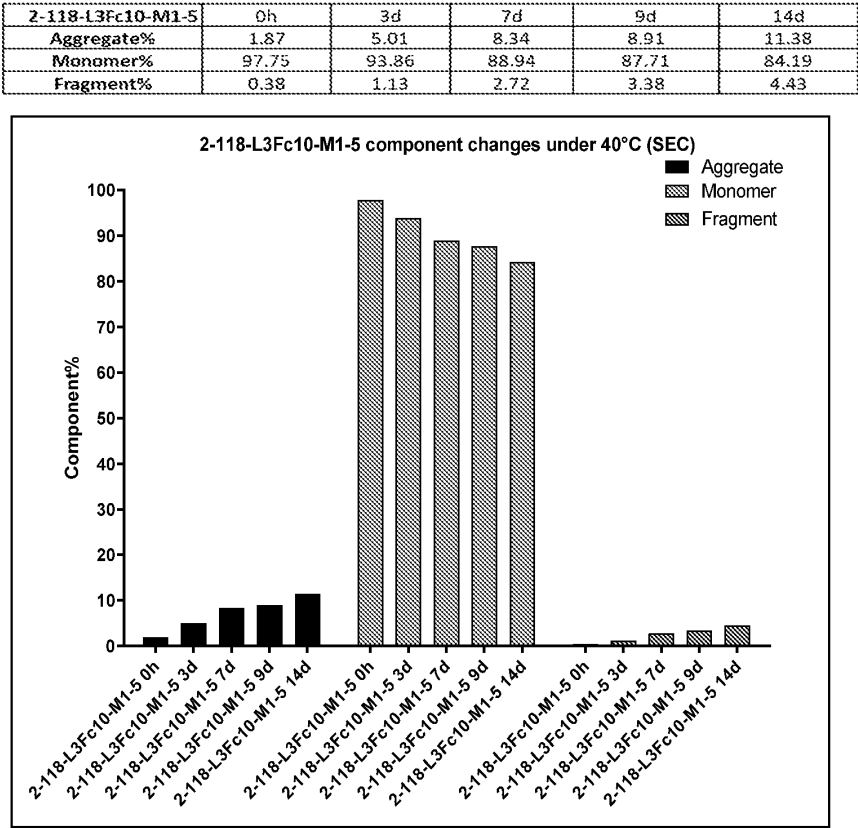


FIG. 3K

2-118-L3Fc10-M5-5	0h	3d	7d	9d	14d
Aggregate%	2.15	2.89	4.12	5.02	6.29
Monomer%	97.86	97.11	95.87	94.98	93.71
Fragment%	0	0	0	0	0

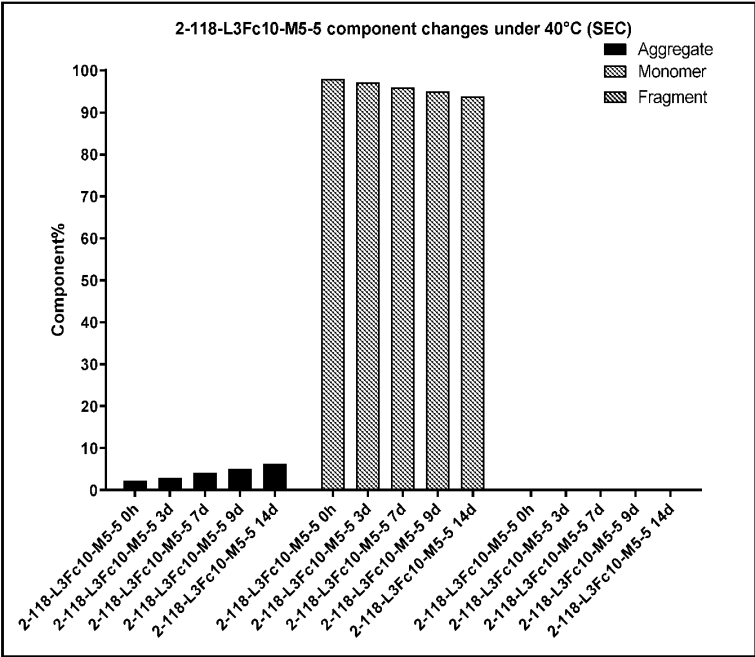


FIG. 3L

2-118-L3Fc10M7-5	0h	3d	7d	9d	14d
Aggregate%	0.84	1.57	3.25	3.76	5.04
Monomer%	99.16	98.43	96.75	96.25	94.96
Fragment%	0	0	0	0	0

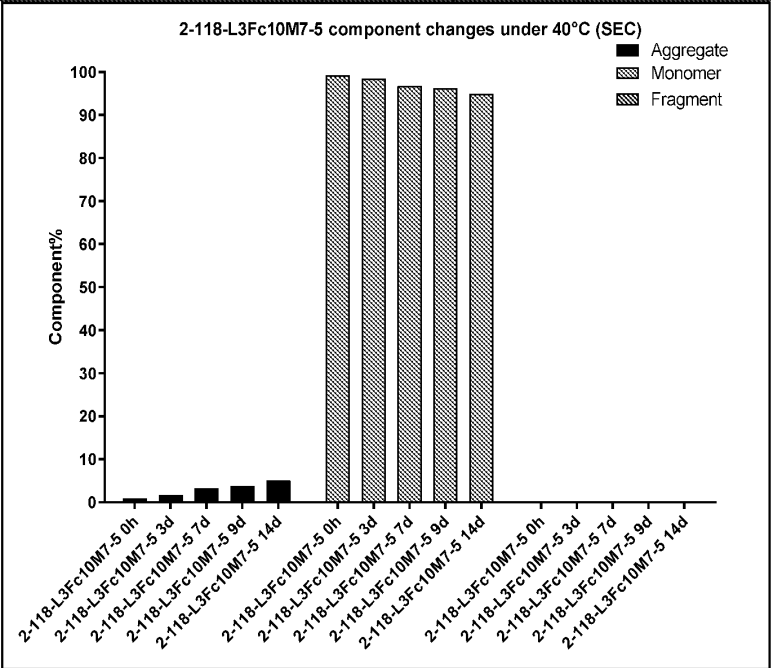


FIG. 3M

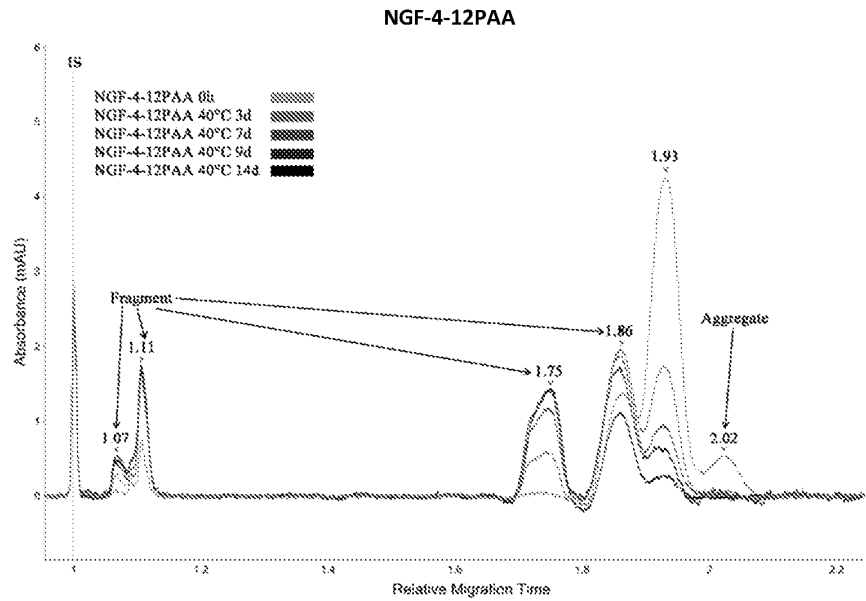


FIG. 4A

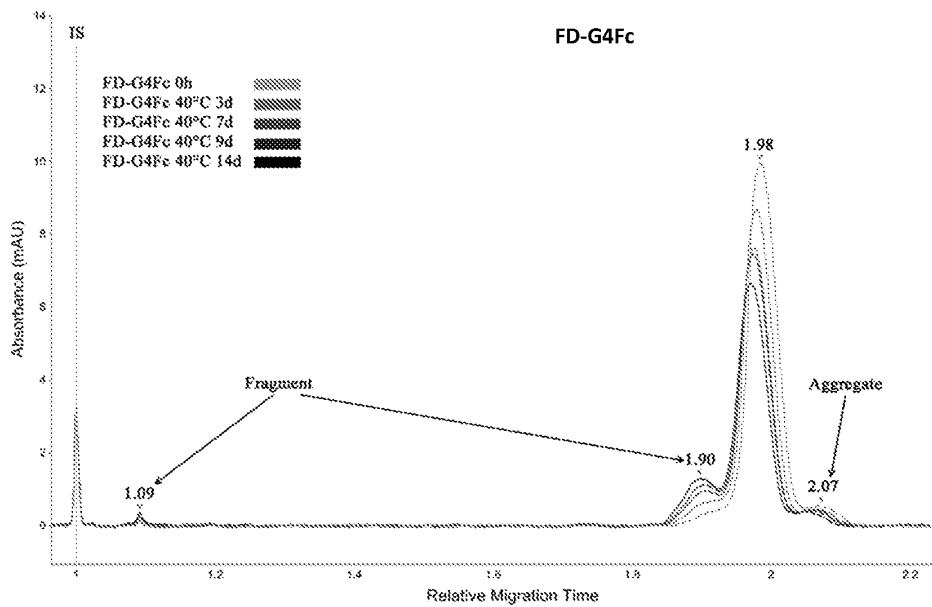
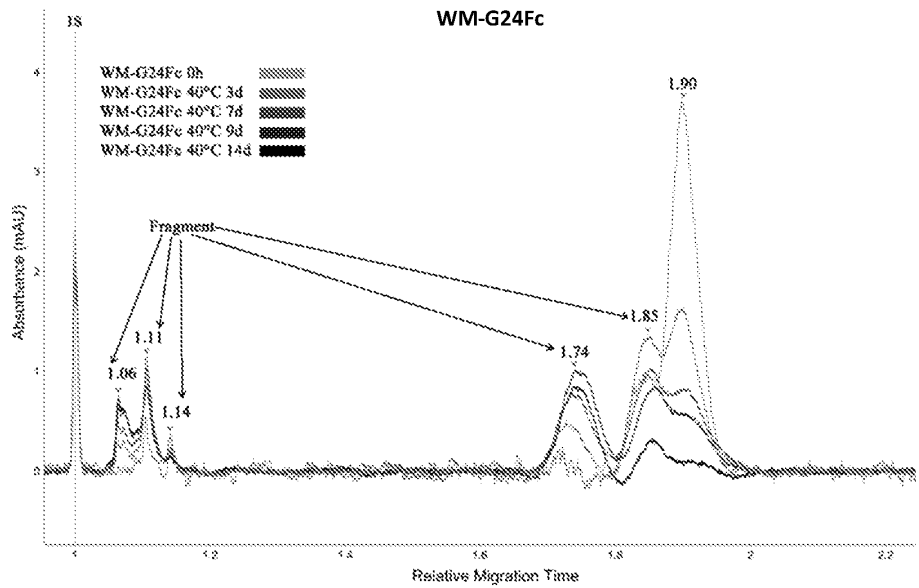
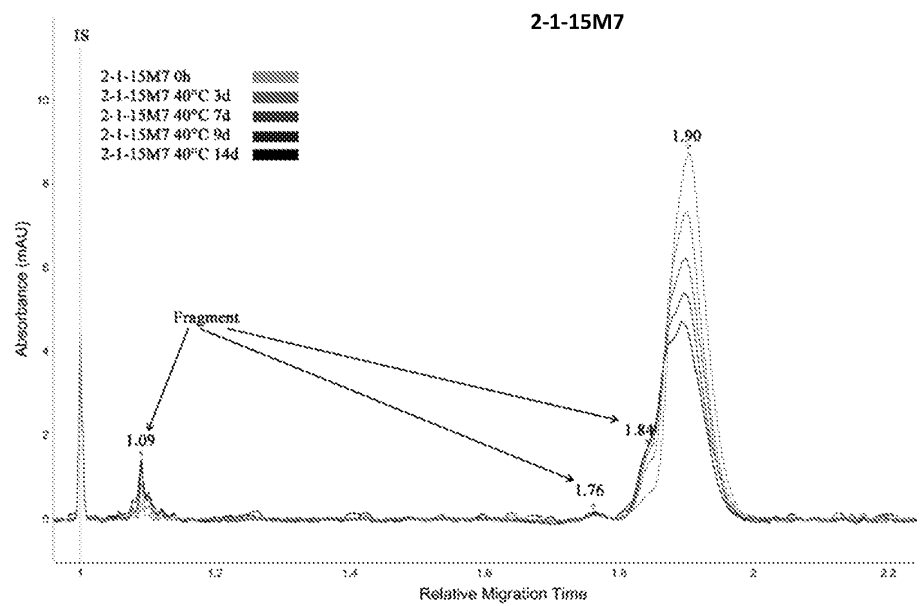
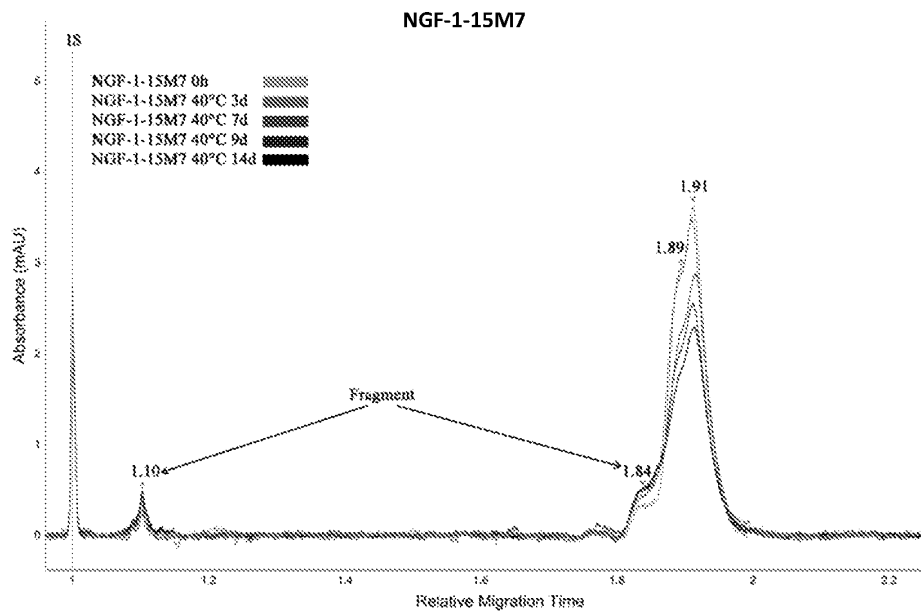


FIG. 4B





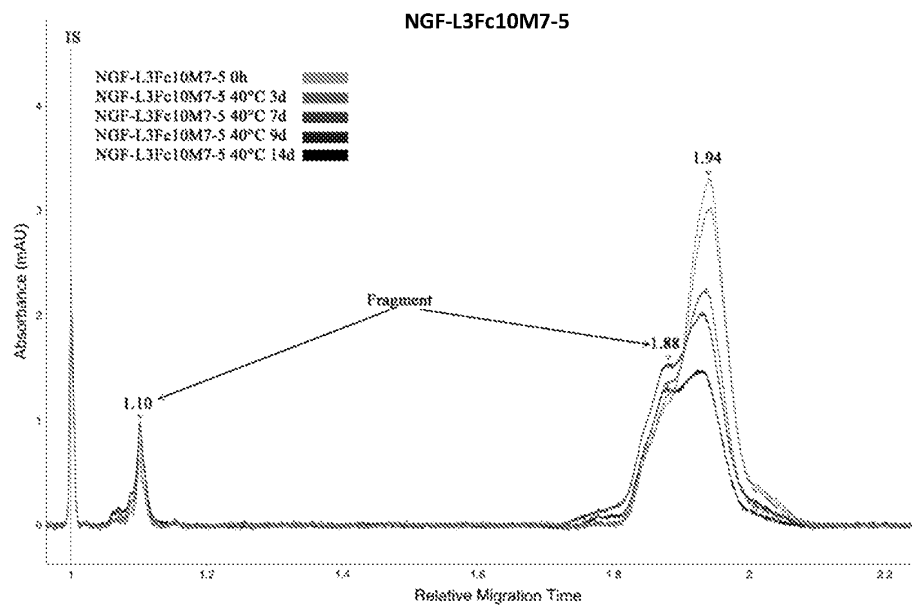


FIG. 4G

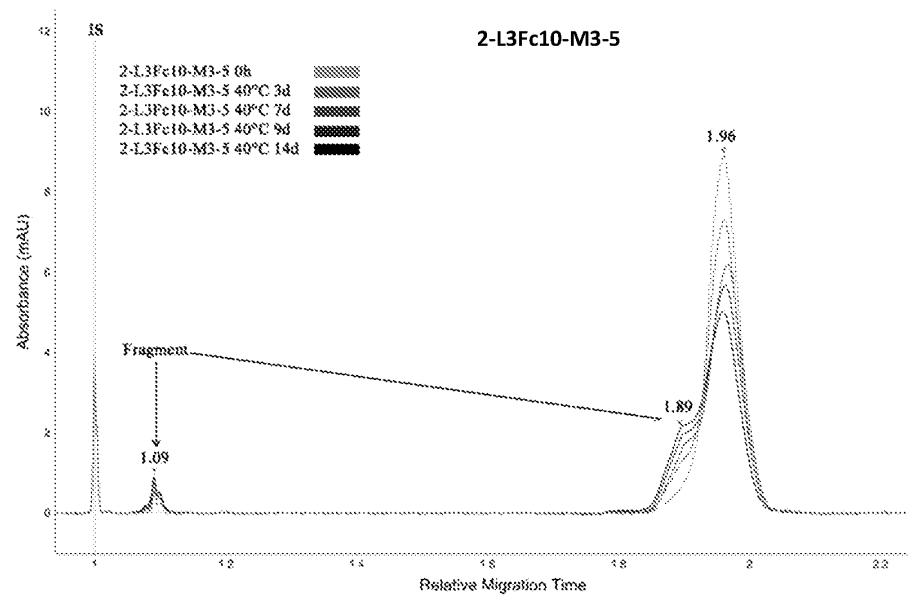


FIG. 4H

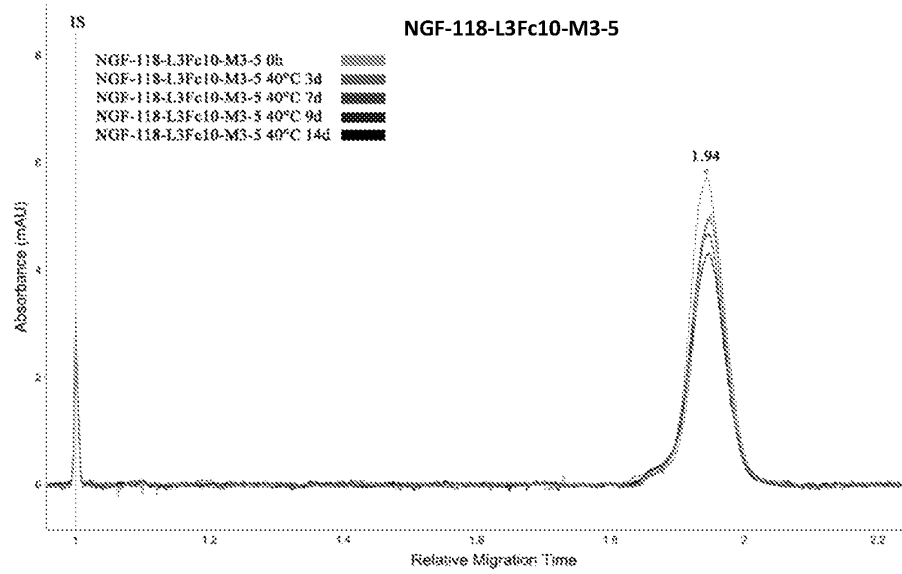


FIG. 4I

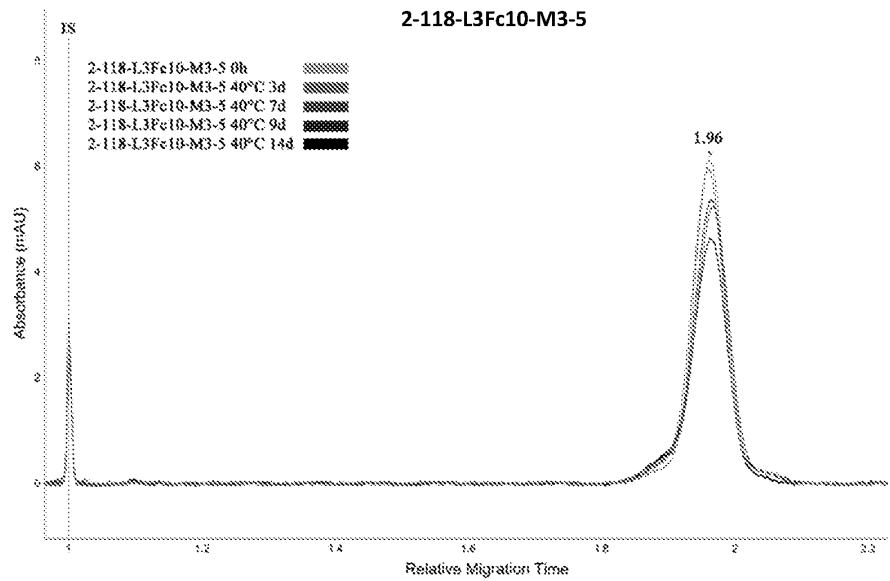


FIG. 4J

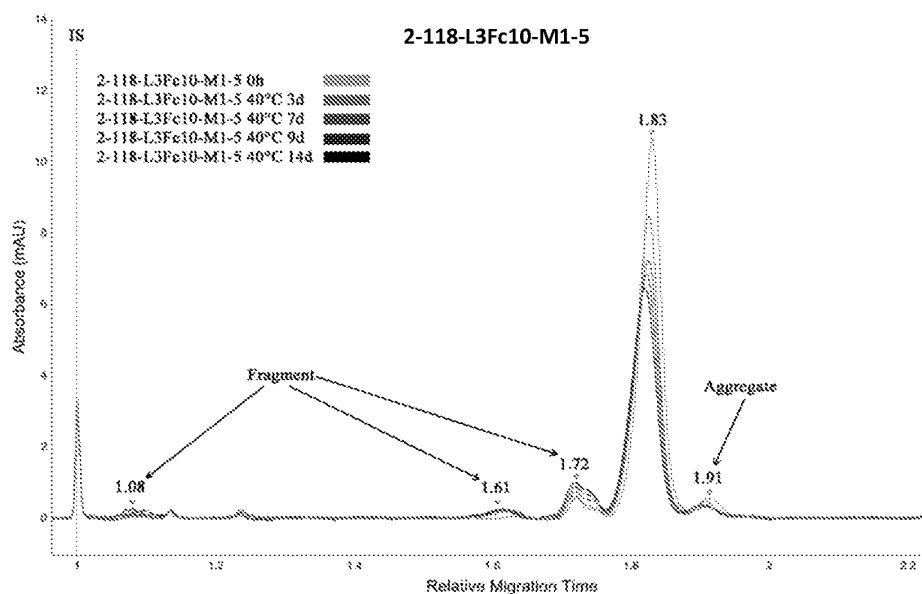


FIG. 4K

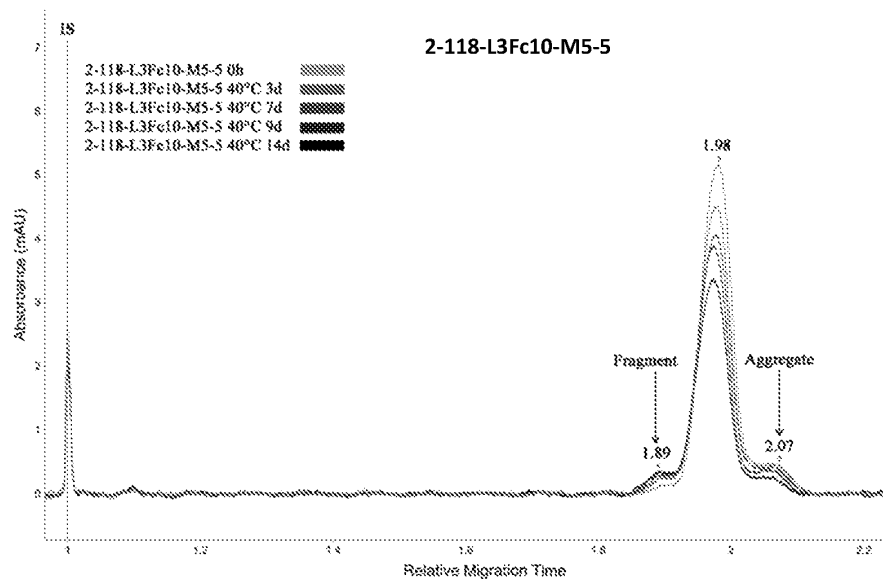


FIG. 4L

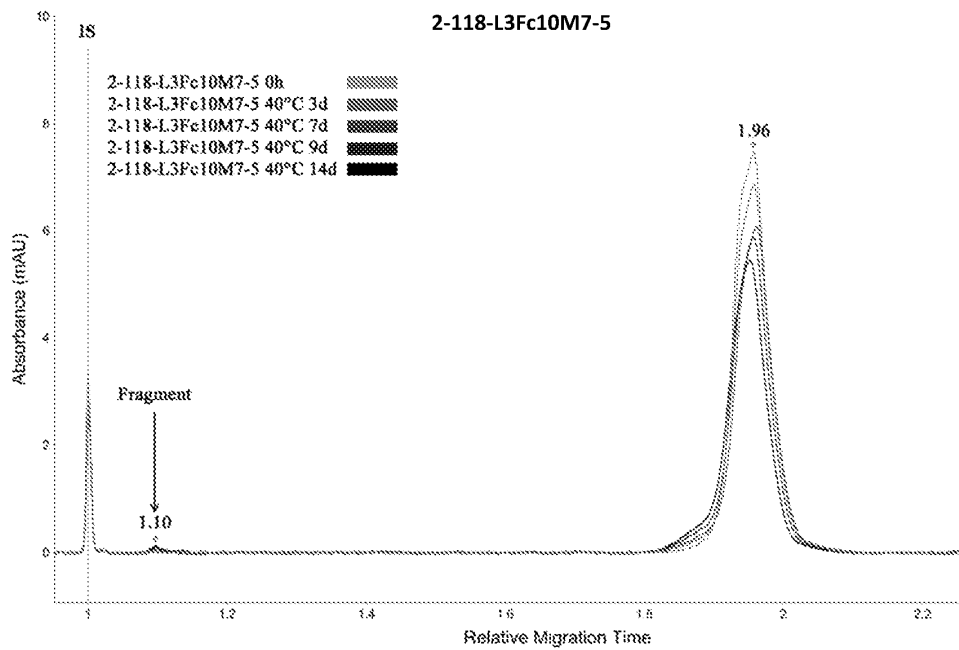


FIG. 4M

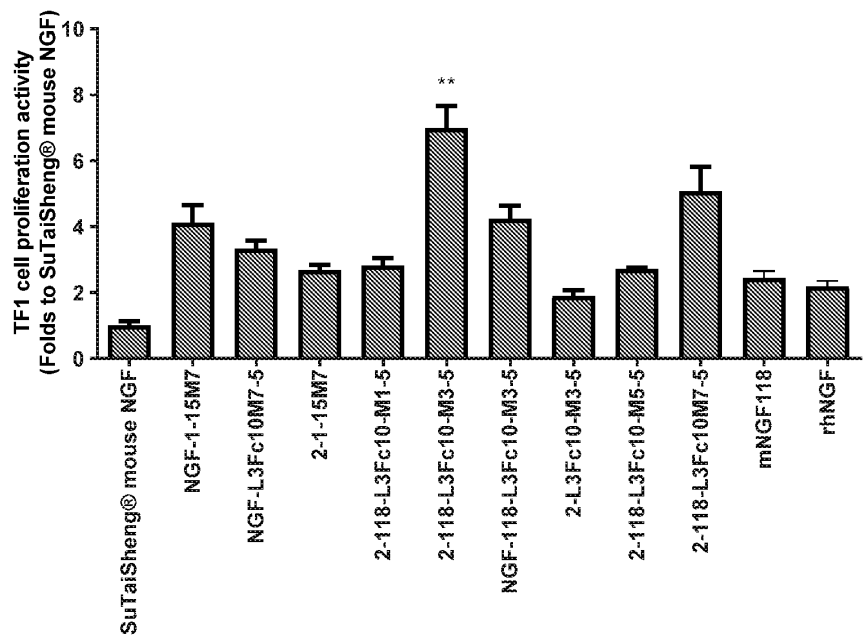


FIG. 5A

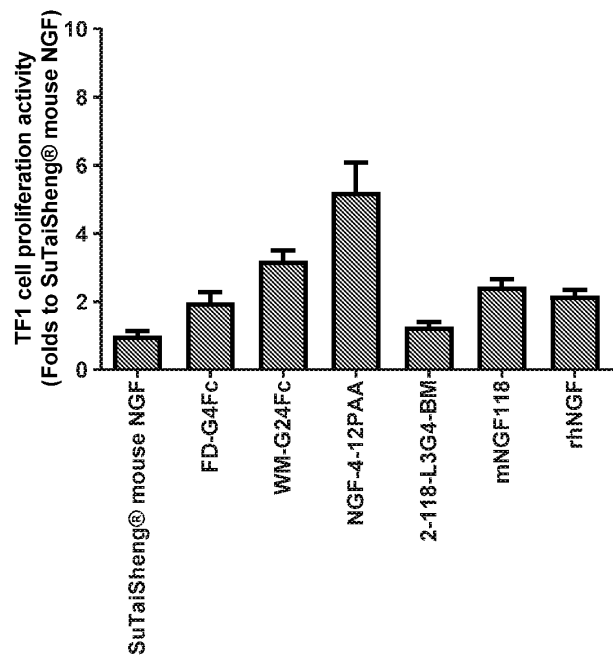


FIG. 5B

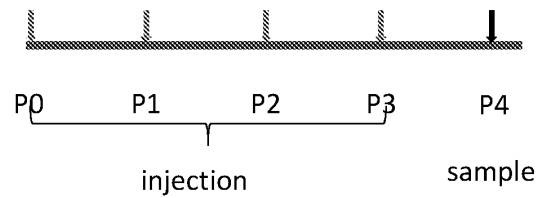


FIG. 6A

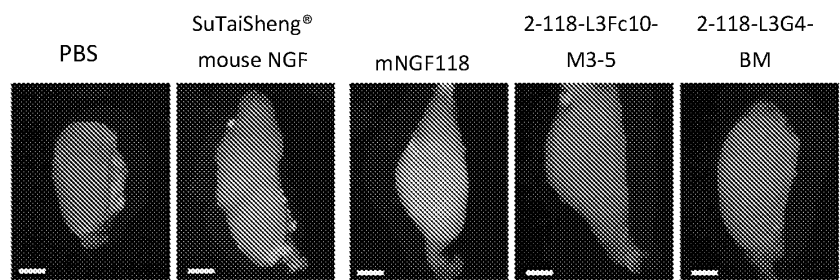


FIG. 6B

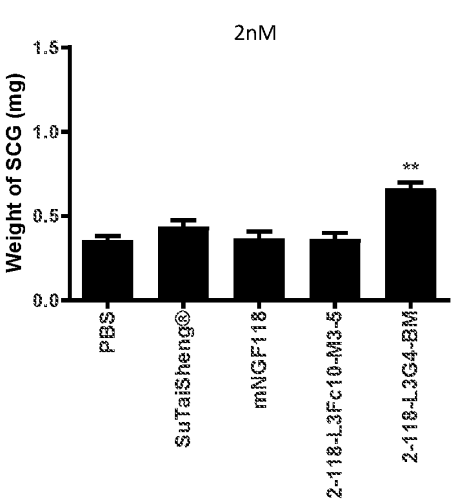


FIG. 6C

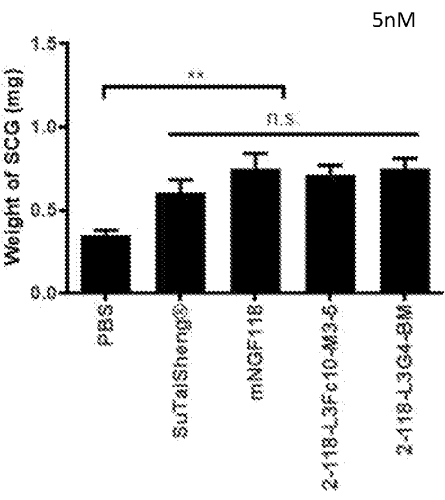


FIG. 6D

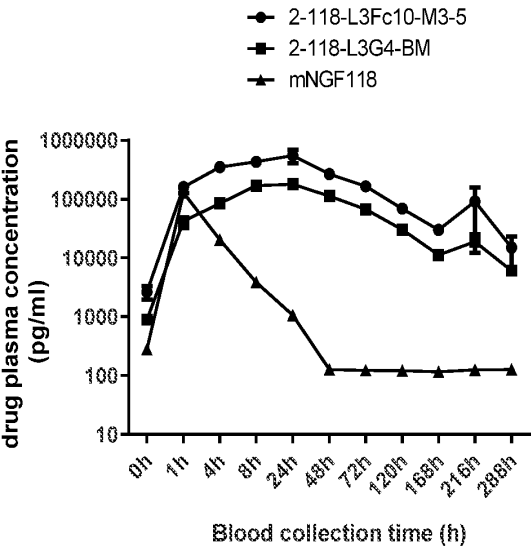


FIG. 7A

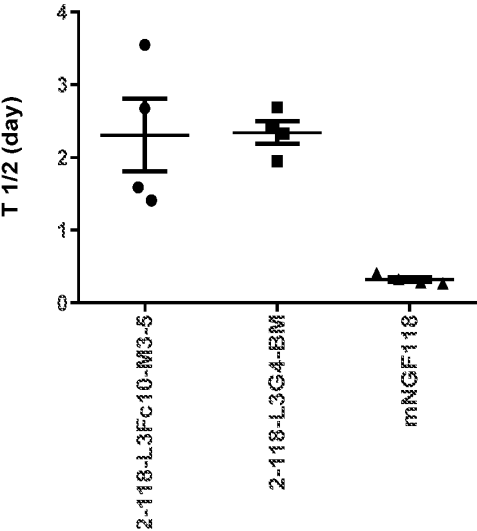


FIG. 7B

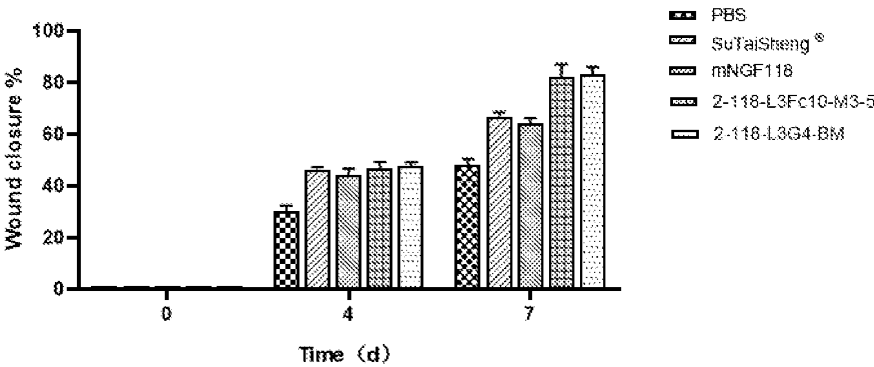


FIG. 8

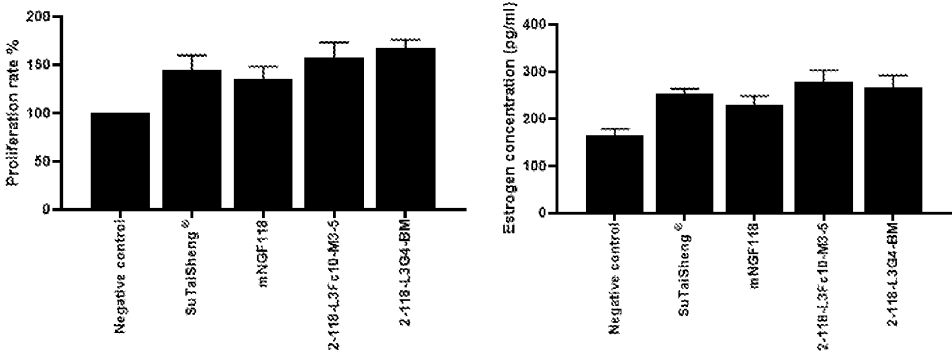


FIG. 9A

FIG. 9B

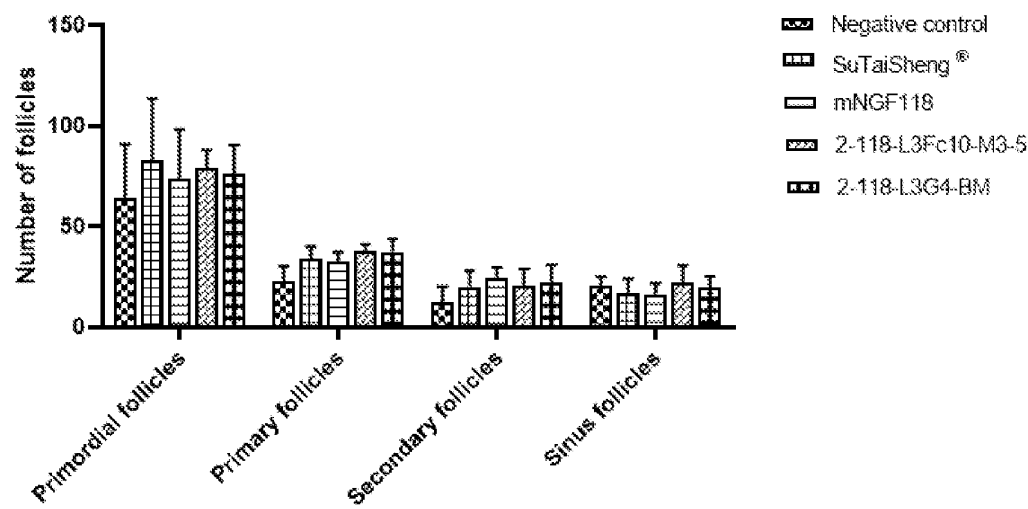


FIG. 9C

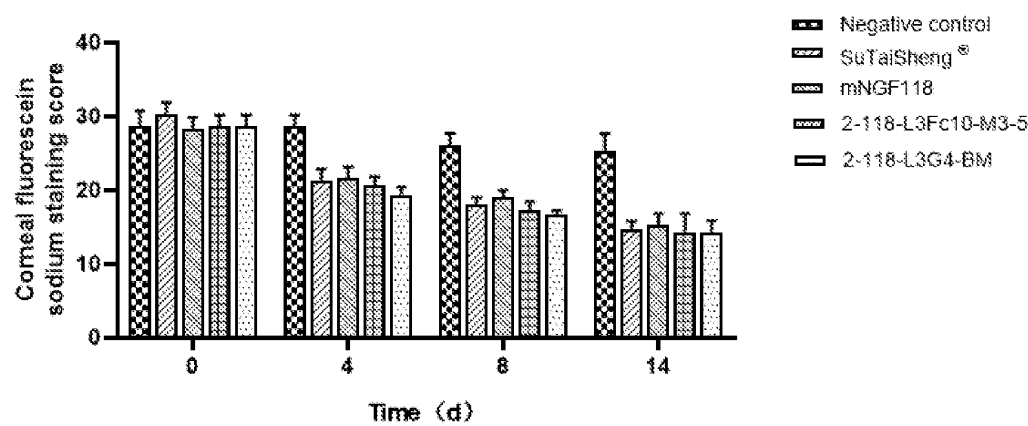


FIG. 10A

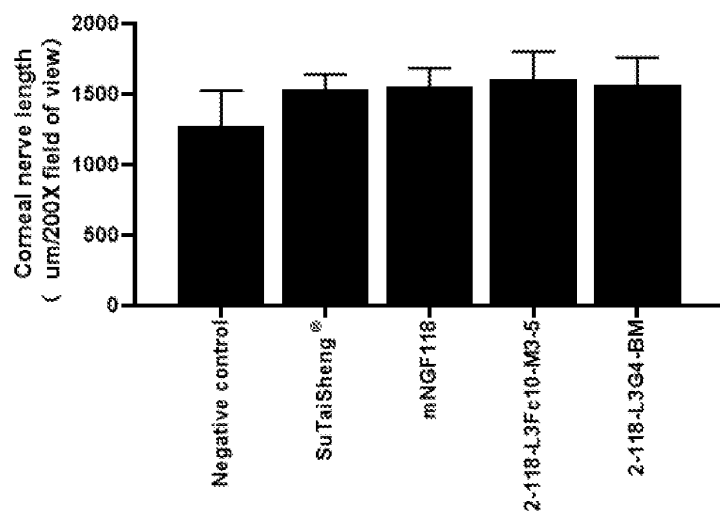


FIG. 10B