

[illegible]

```

1  CCAATTCCAATGGGAAATGGTATGTCTGTGGGCGnnnGCCGAAATnnnnnnCTGCGTGAGGATAAGGATCCGnnnAAAAATGnnnGCGACCAT 90
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
GGTTAAGGTACCCCTTTACCAATACAGCACCCGACCGGCCCTTTACGGTAAGACGCACTCCCTATTCCCTAGGCGTCTTTTACATACGCTGGTA
GlnPheHisGlyLysTrpTyrValValGlyXaaAlaGlyAsnXaaXaaLeuArgGluAspLysAspProXaaLysMetXaaAlaThrIle
8      12 13      21      24
21  24

91  TTACGAGTTGAAAGAAGATAAAATCATATAACGTCAACnnnGTGnnnTTTnnnnnnAAGAAATGCnnnTACnnnATnnnACCTTTGTGCC 180
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
AATGCTCAACTTTCTTCTATTAGTATATTGCAGTGGAGGCACAACAAGCGTCTTTCTTTACGCTGATGACCTAAGCATGGAAACACGGG
TyrGluLeuLysGluAspLysSerTyrAsnValThrXaaValXaaPheXaaXaaLysLysCysXaaTyrXaaIleXaaThrPheValPro
40  42  44  45      49  51  53

181 GGGAGCCAGCCGGCGAGTTACTTTAGGCGnnnATTAAAGTnnnCCGGGCGnnnACATCAnnnTTGGTCCGCGTGTGAGCACCAACTA 270
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
CCCCTCGGTCGGCCCCGCTCAAAATGAAATCCGTTGTAAATTTTCAATGGGCCCGGACTGTAGTATGAACAGGCGCAGCACTCGTGGTTGAT
GlySerGlnProGlyGluPheThrLeuGlyXaaIleLysSerXaaProGlyXaaThrSerXaaLeuValArgValValSerThrAsnTyr
68      72      75      78

271 CAACCAGCATGCCATGGTGTCTTCAAGnnnGTGnnnCAGAACCCGCGAGnnnTTTnnnATCACACTGTACGGGCGCACGAAAGAACTGAC 360
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
GTTGGTCGTACGGTACCACAAGAAGTTCTTTACAGGGTCTTTGGCGCTCATGAAATTTCTAGTGTGACATGCCCGCGTCTTTCTTGACTG
AsnGlnHisAlaMetValPhePheLysXaaValXaaGlnAsnArgGluXaaPheXaaIleThrLeuTyrGlyArgThrLysGluLeuThr
97  99      104  106

361 AAGCGAGCTGAAGGAAATTTTATCCGCTTTTCCAAATCTCTGG 404
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
TTCGCTCGACTTCCTTTTAAATAGCGGAAAGGTTTAGAGACC
SerGluLeuLysGluAsnPheIleArgPheSerLysSerLeu

```

FIG. 2

FIG. 3

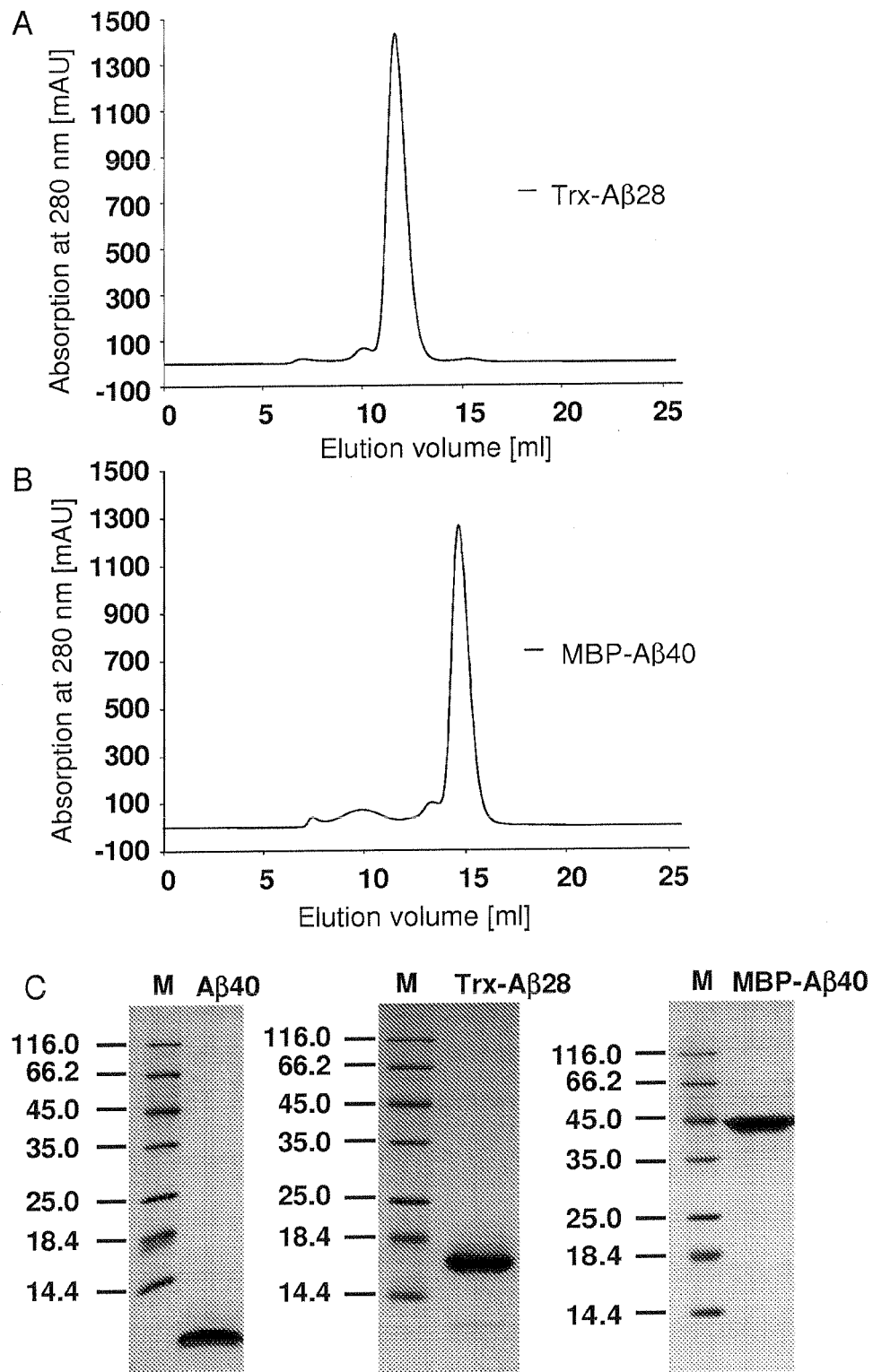


FIG. 4

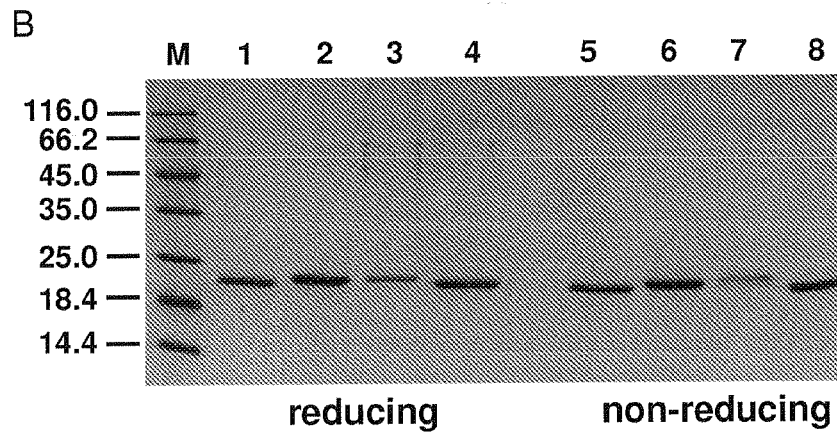
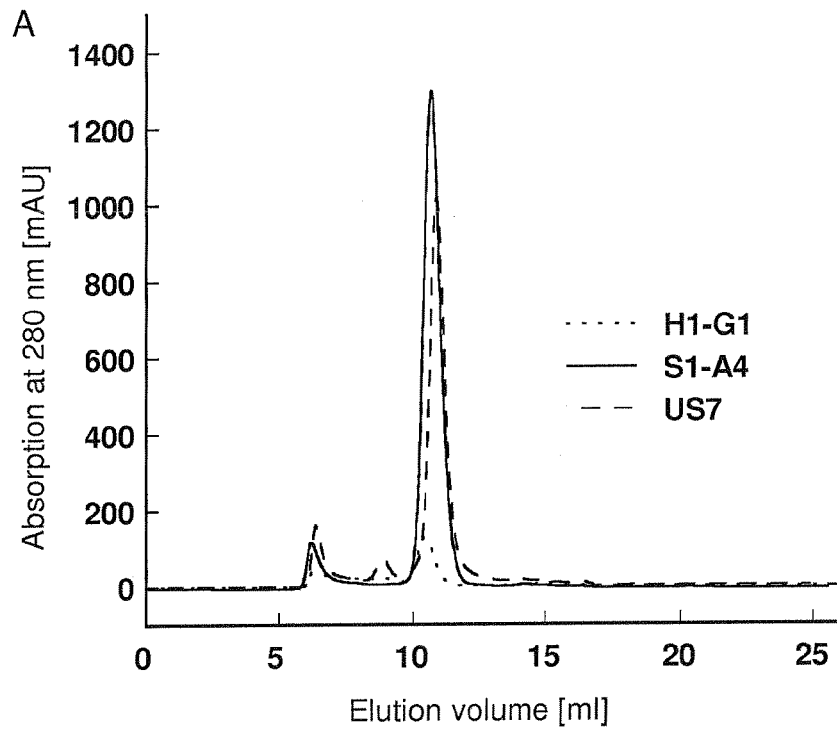


FIG. 5

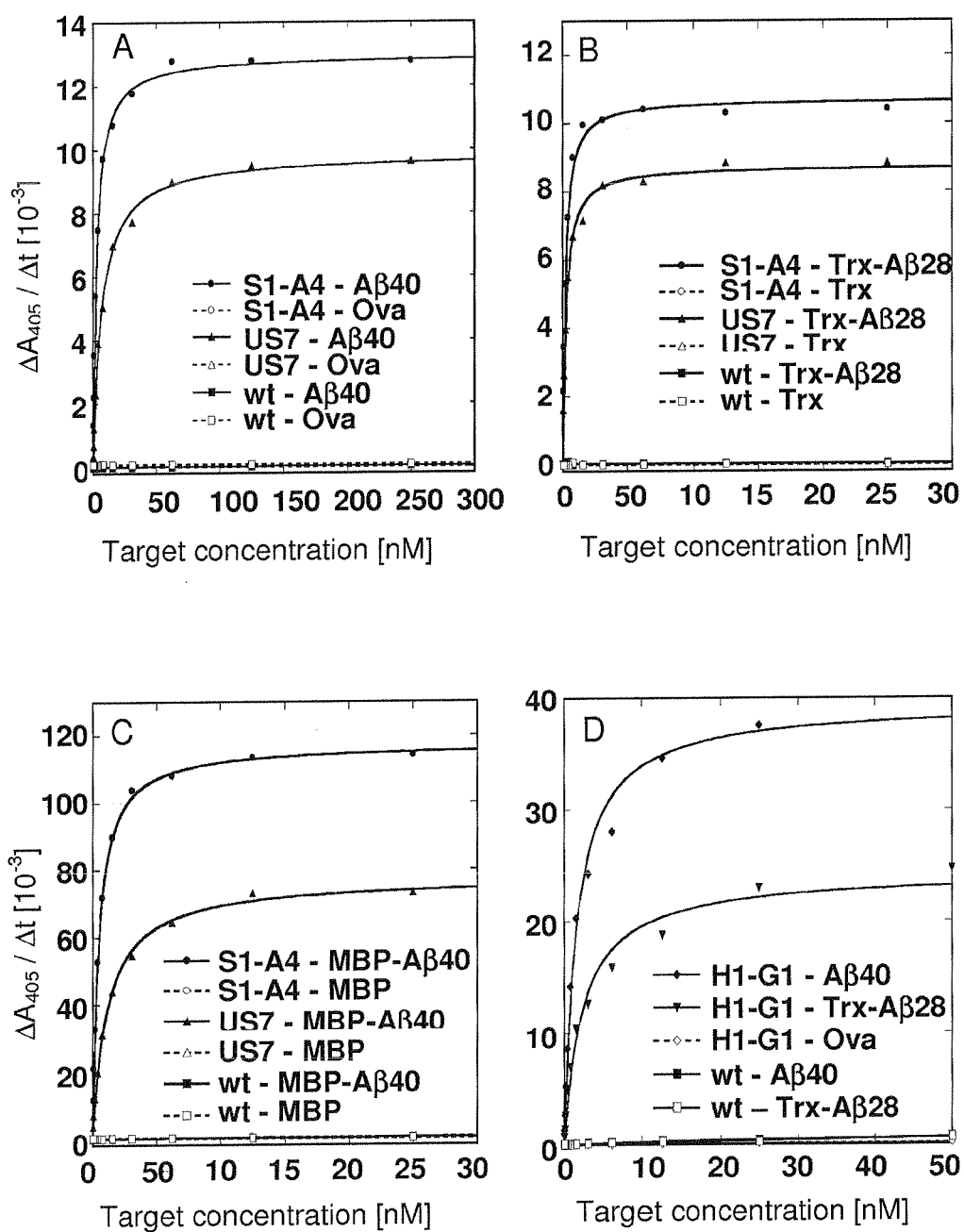


FIG. 6

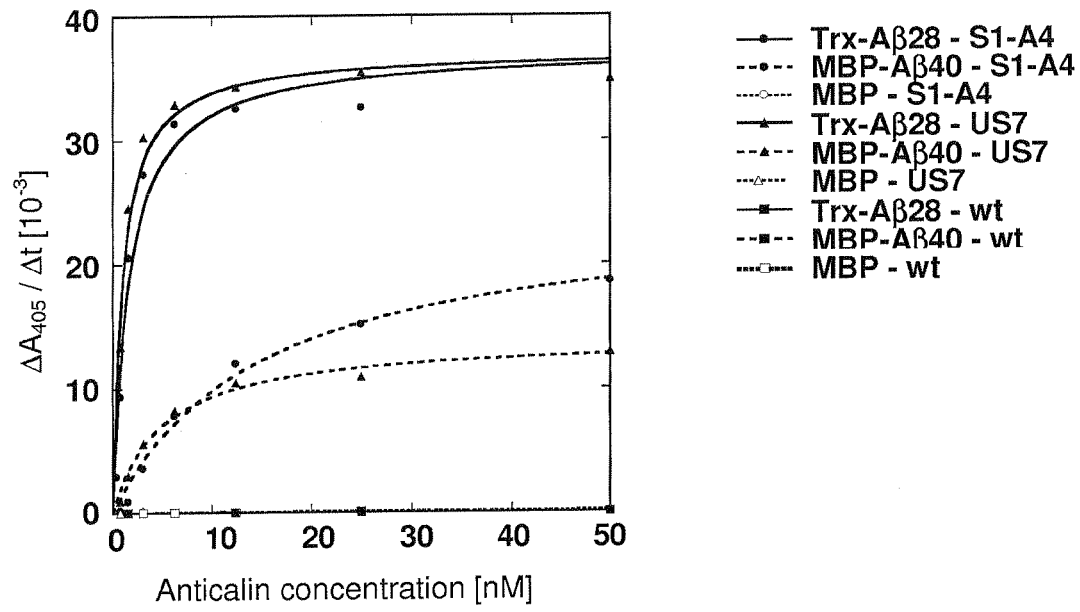


FIG. 7

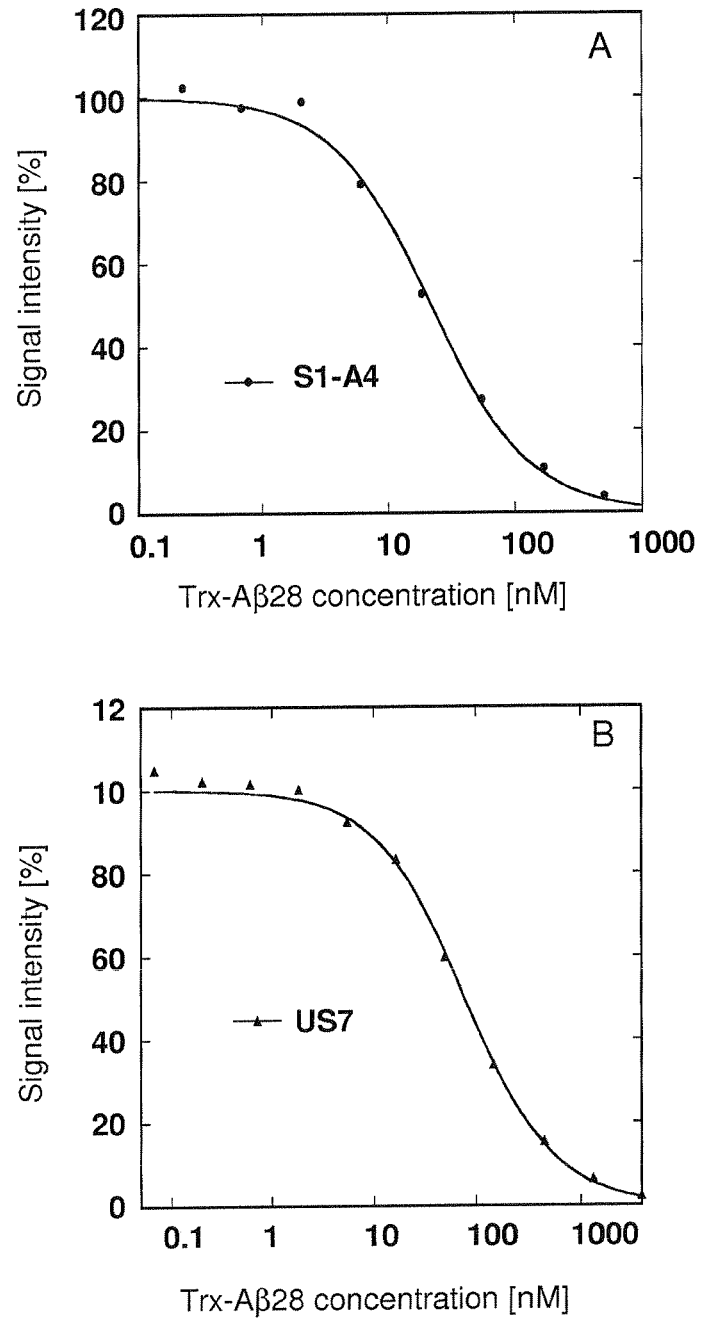


FIG. 8

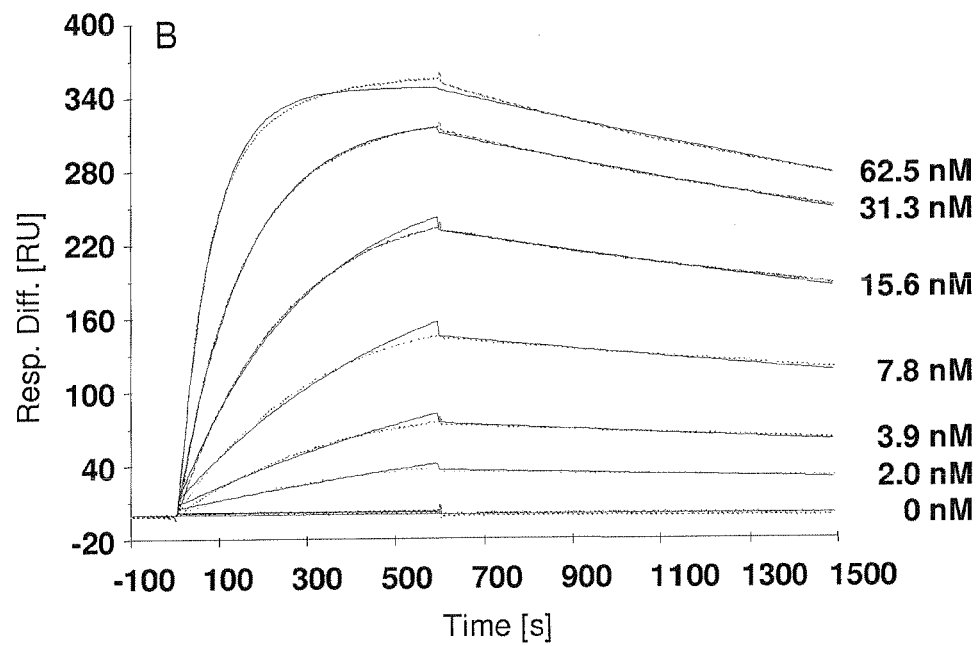
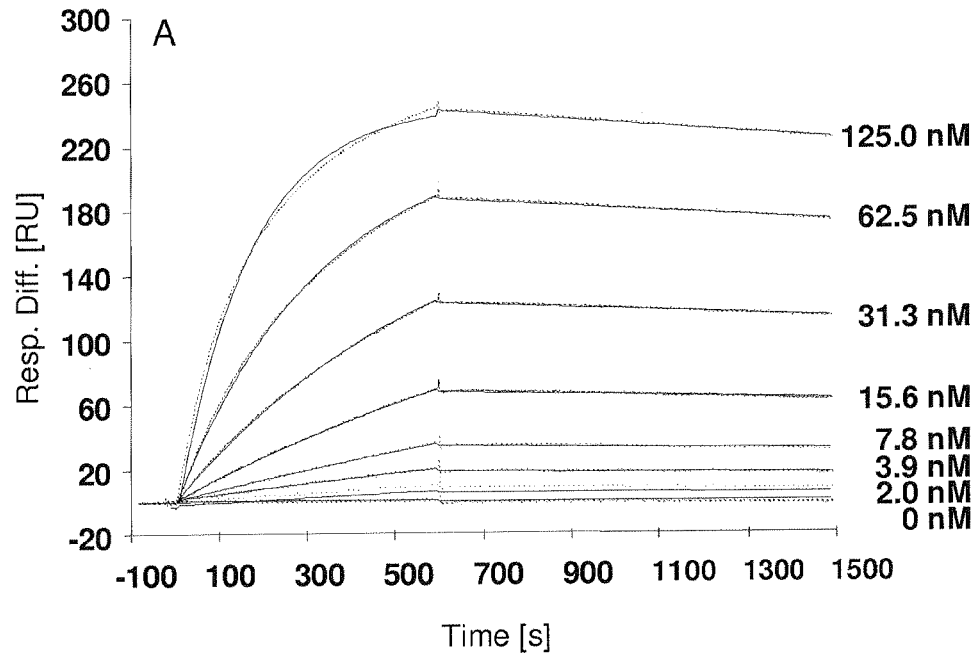


FIG. 9

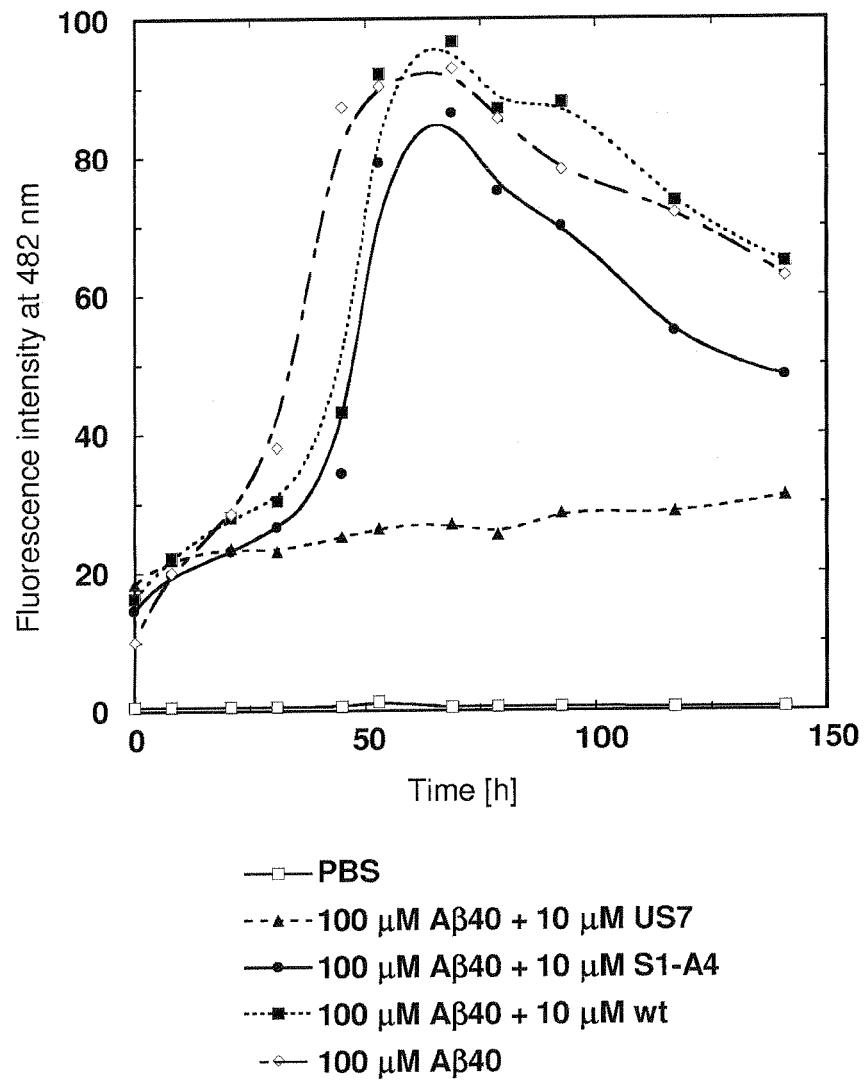


FIG. 10

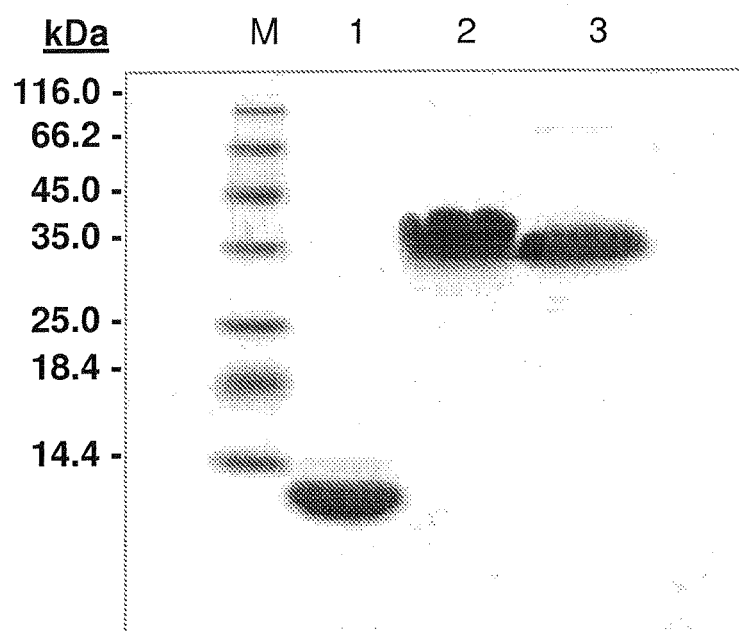


FIG. 11

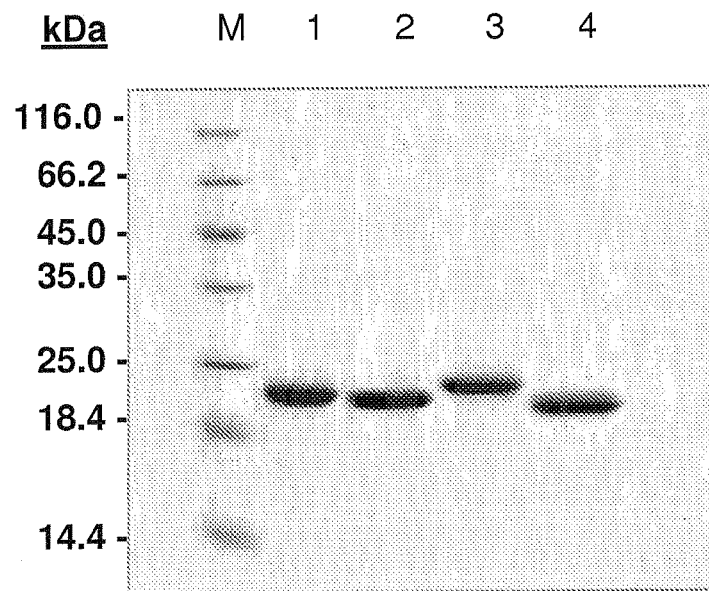


FIG. 12

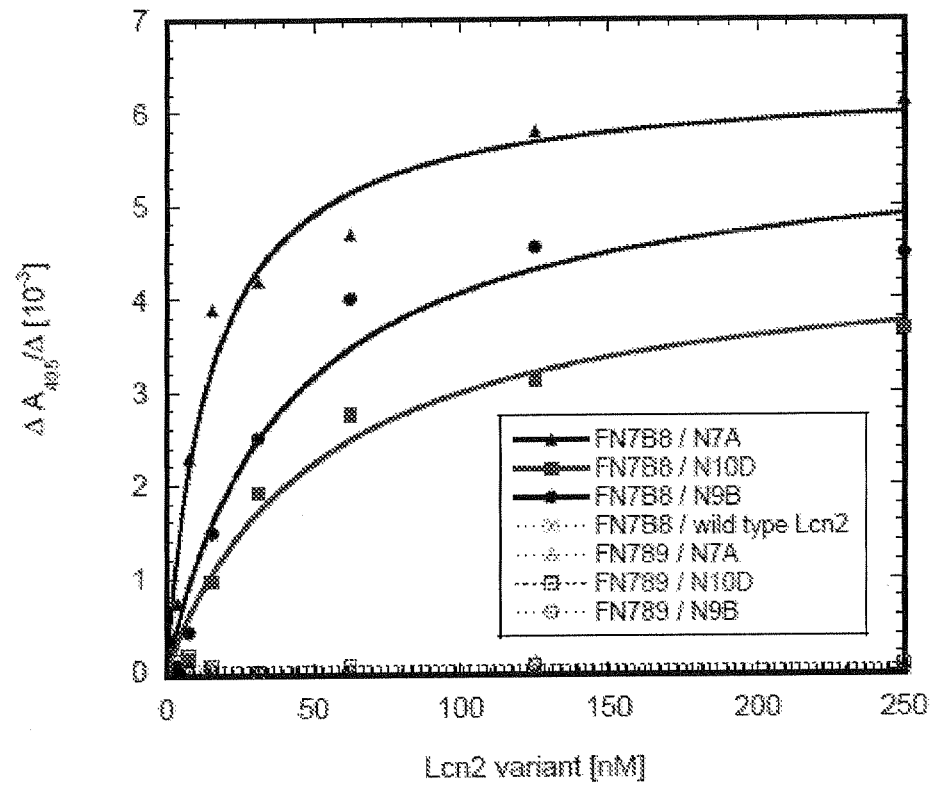


FIG. 13

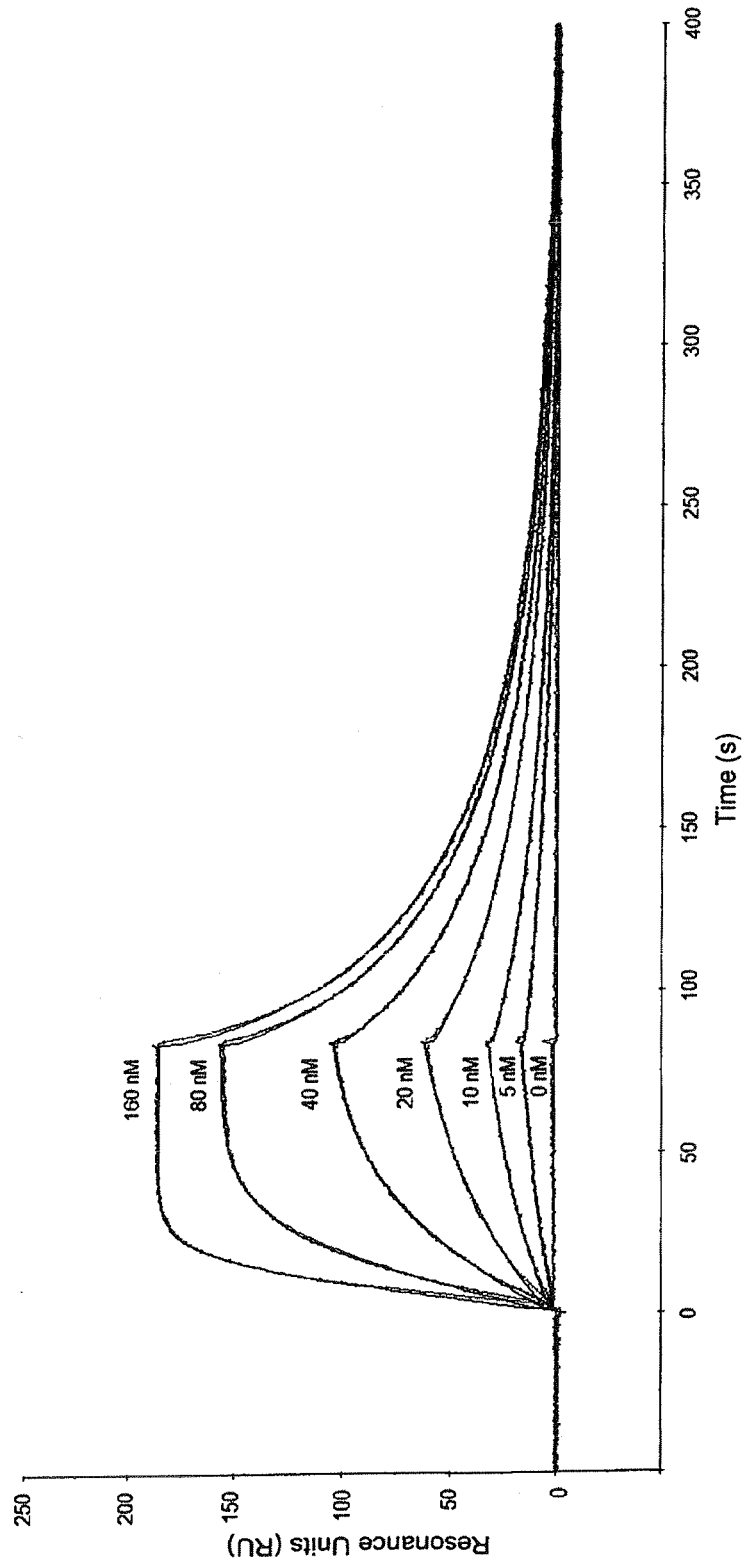


FIG. 14

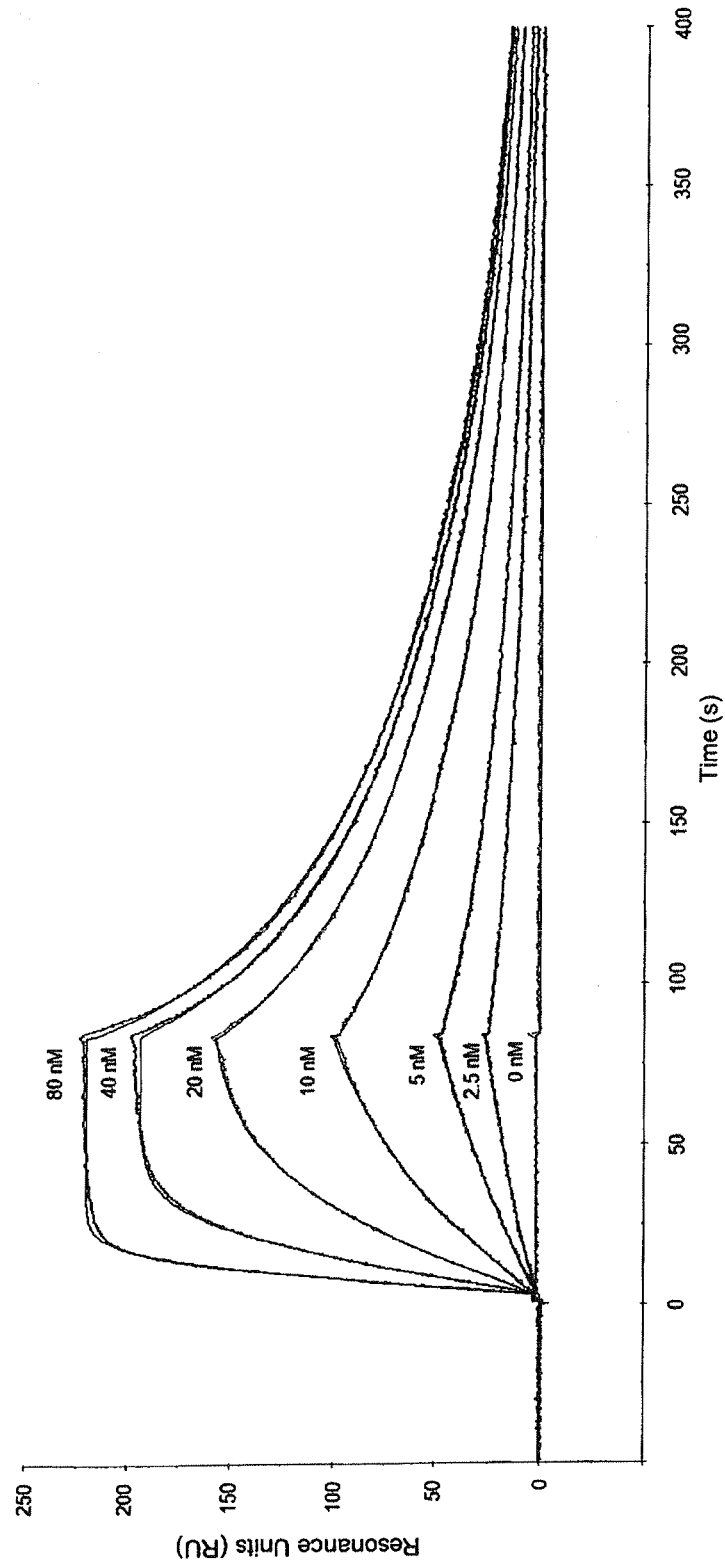


FIG. 15

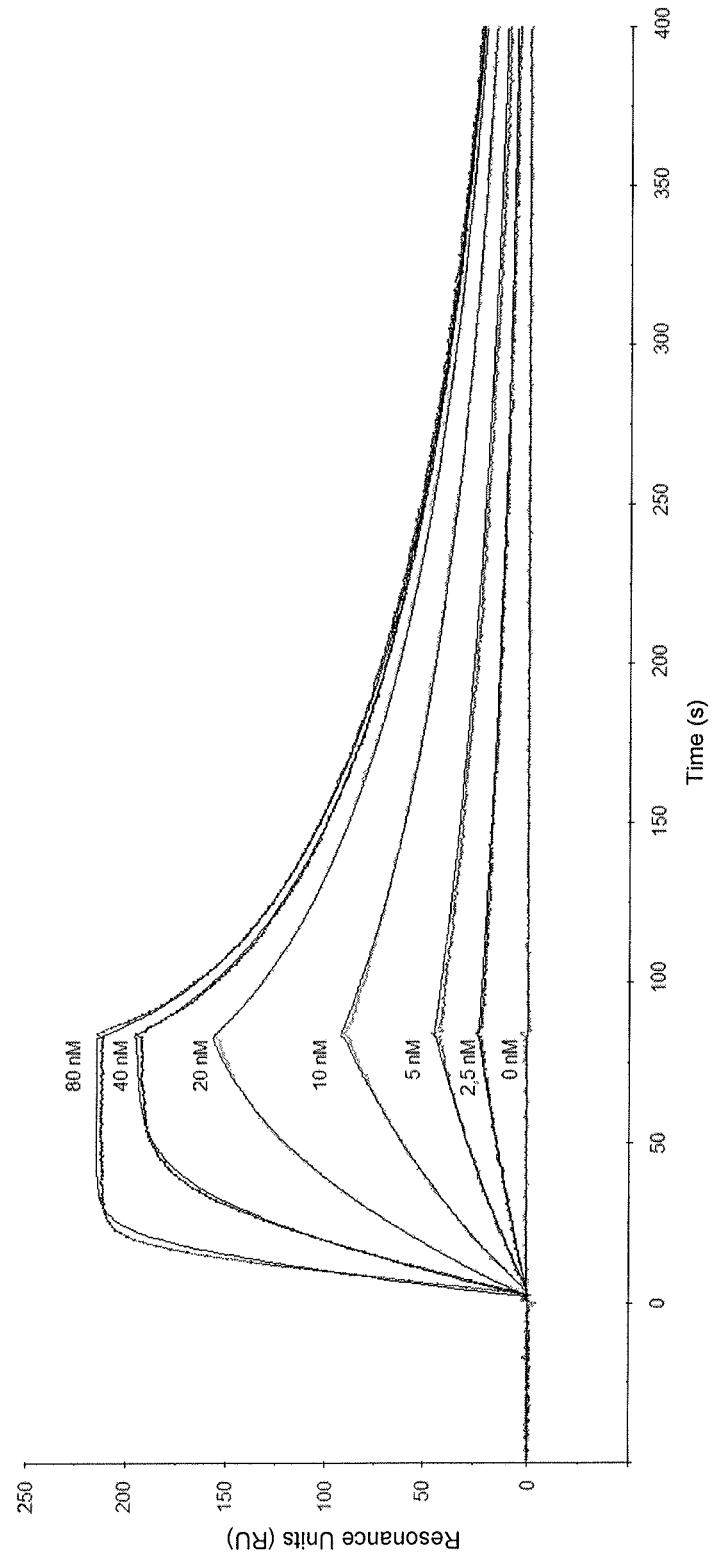
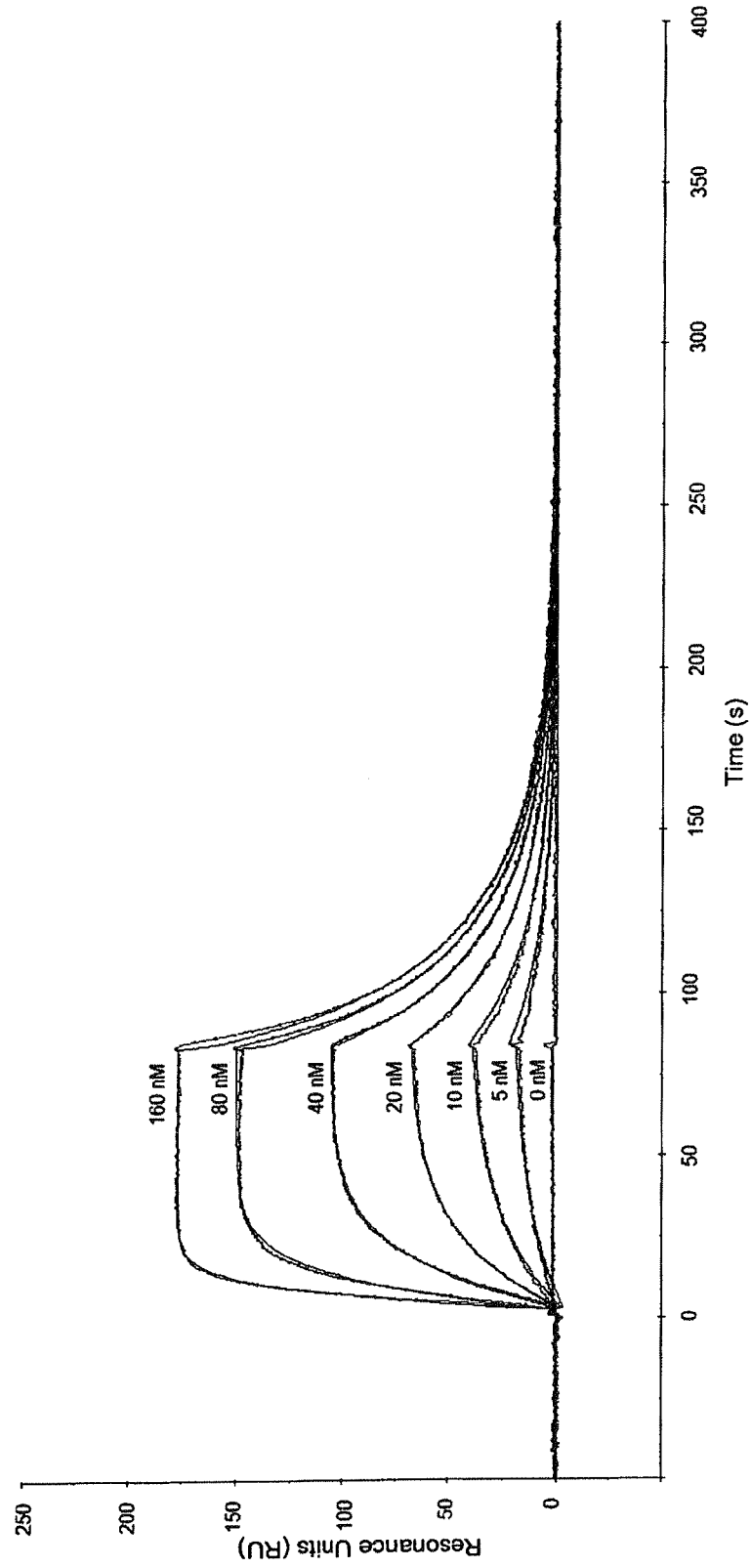


FIG. 16



```

Lcn2  EFTLGNIKSYPLTSLYLRVSTNYNQHAMVFFKKYQNRREYFKITLYGRTKELTSELKENFIRFSKSLGLPENHIVFPVP-IDQCIDG
Lib    . . . . . x . x . x . x . . . . . x . x . . . . . x . x . . . . .
S1-A4  . . . . . I . Q . M . Y . . . . . T . G . M . N . . . . .
US7    . . . . . R . R . R . A . . . . . V . Q . S . N . . . . .
H1-G1  . . . . . R . E . G . W . . . . . E . A . T . N . . . . .
N7A    . . . . . N . W . L . W . . . . . R . Y . L . E . . . . . N
N7E    . . . . . L . K . H . F . . . . . T . A . Y . F . . . . .
N9B    . . . . . A . P . P . T . . . . . H . F . Y . H . . . . .
N10D   . . . . . S . W . L . W . . . . . R . Y . F . G . . . . .

==E=-----#3-----F=====      ==G=-----#4-----H=====

```

[illegible]

FIG. 18

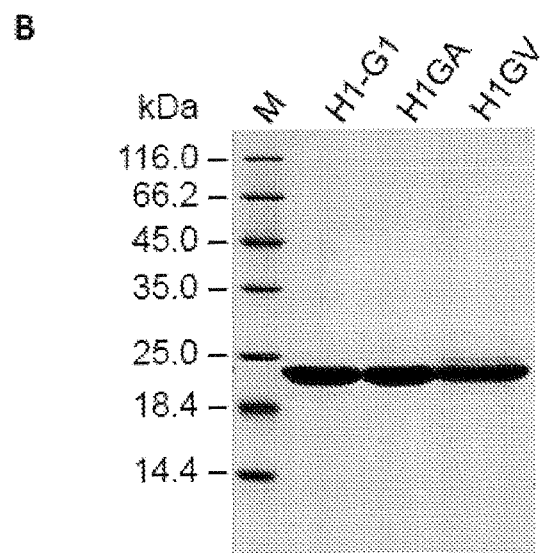
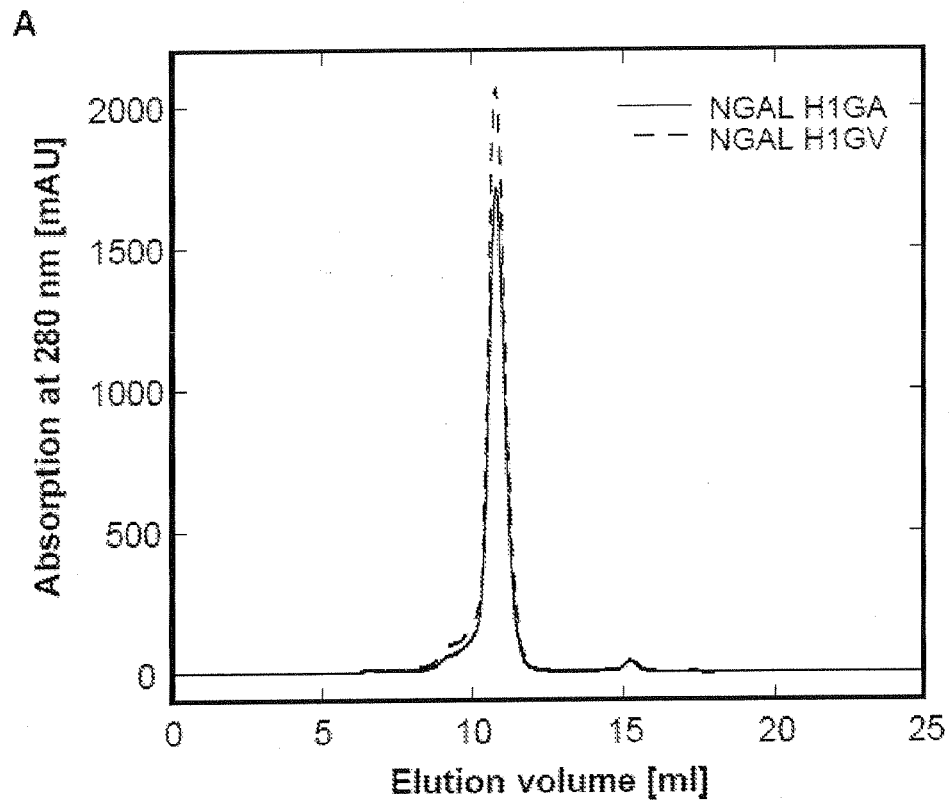


FIG. 19

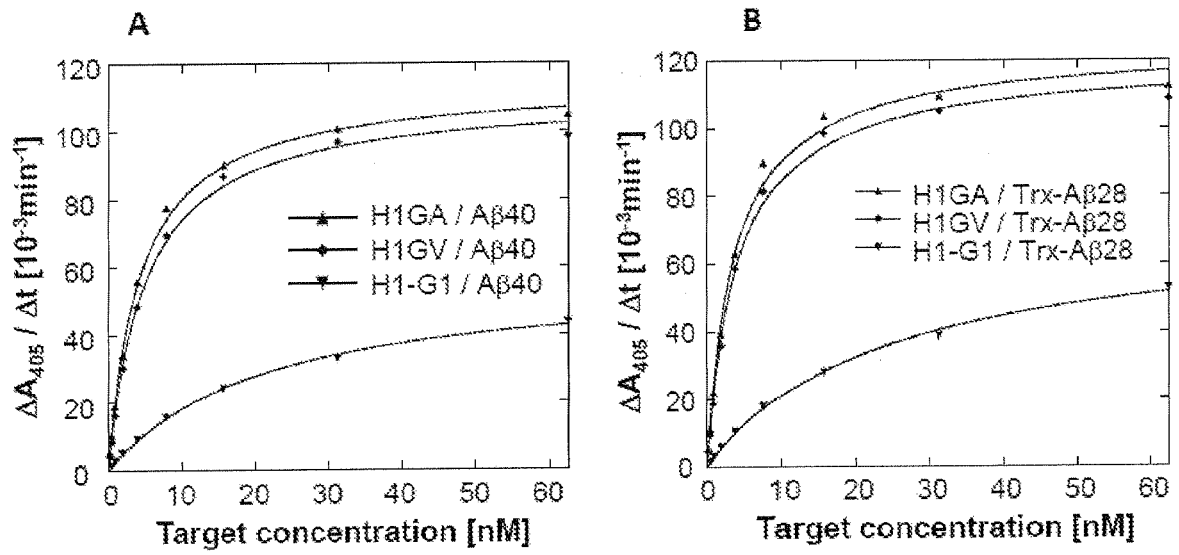


FIG. 20

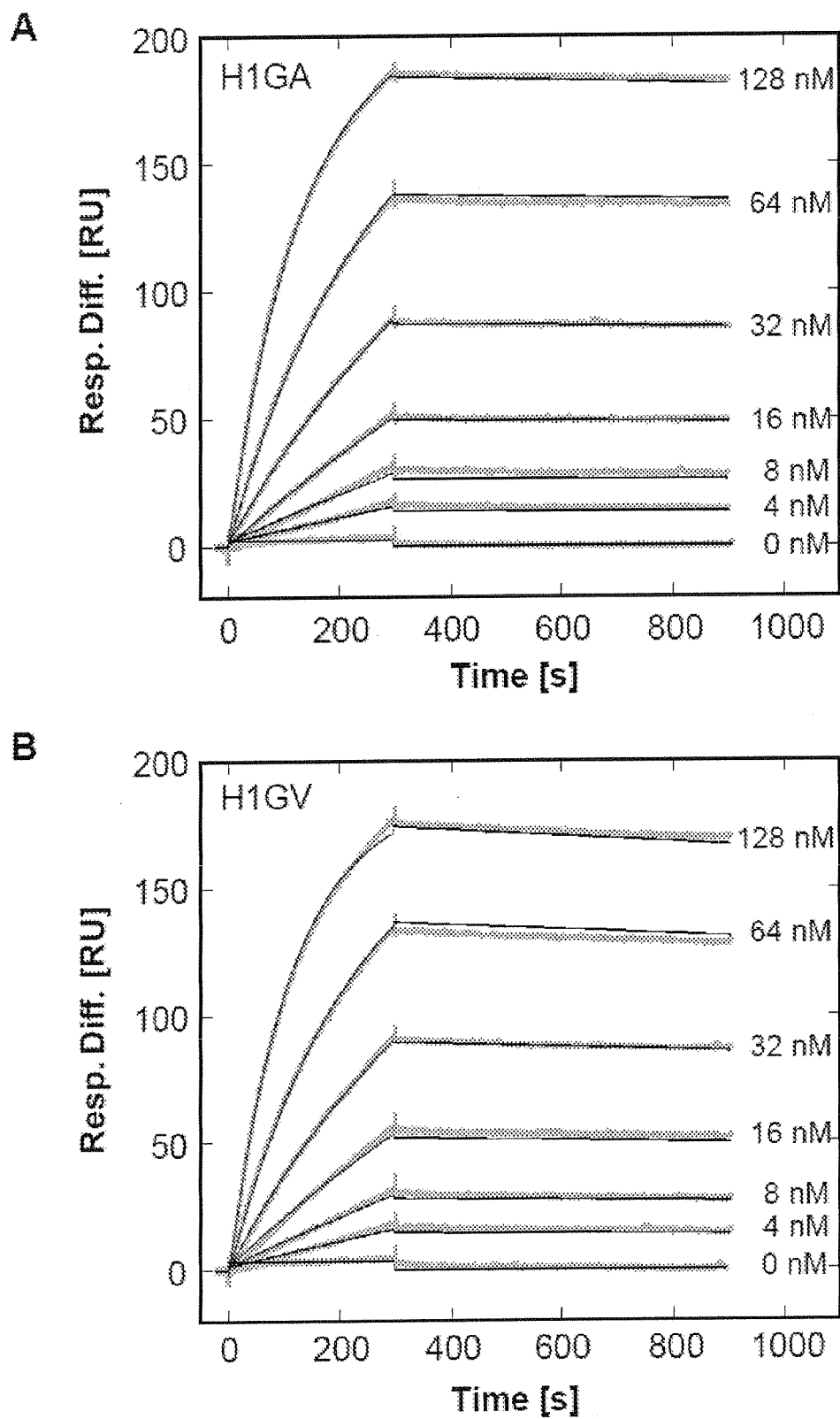


FIG. 21

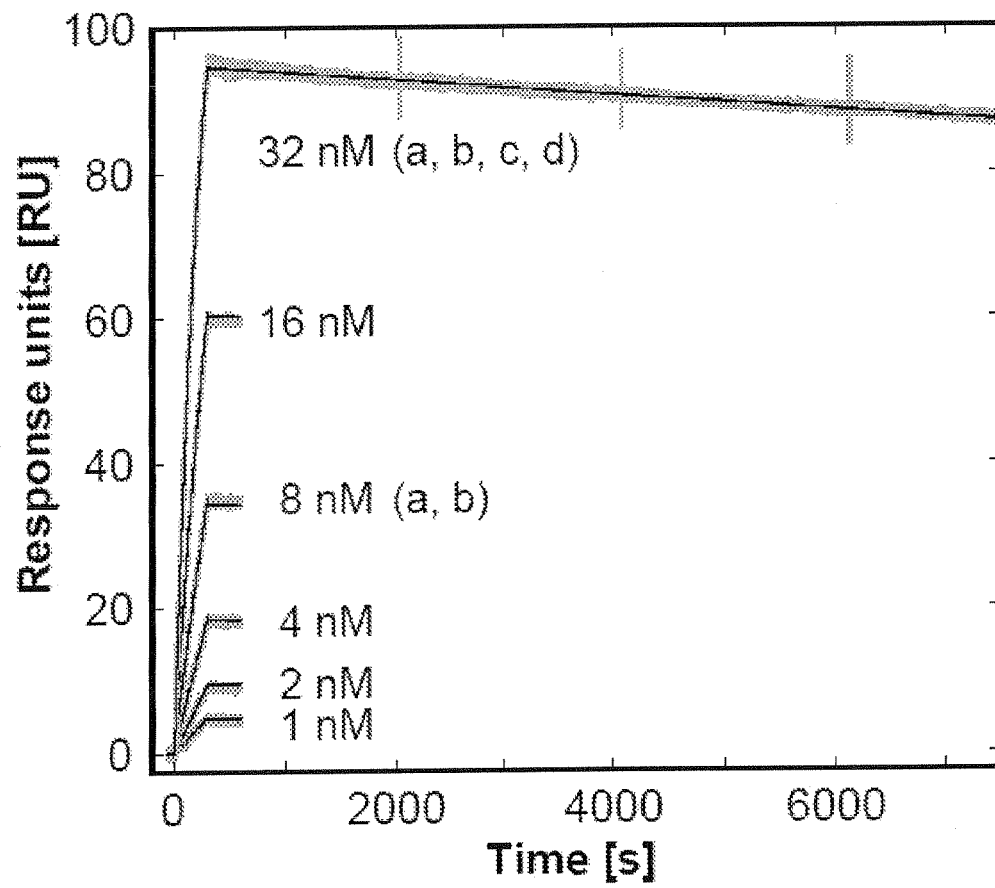


FIG. 22

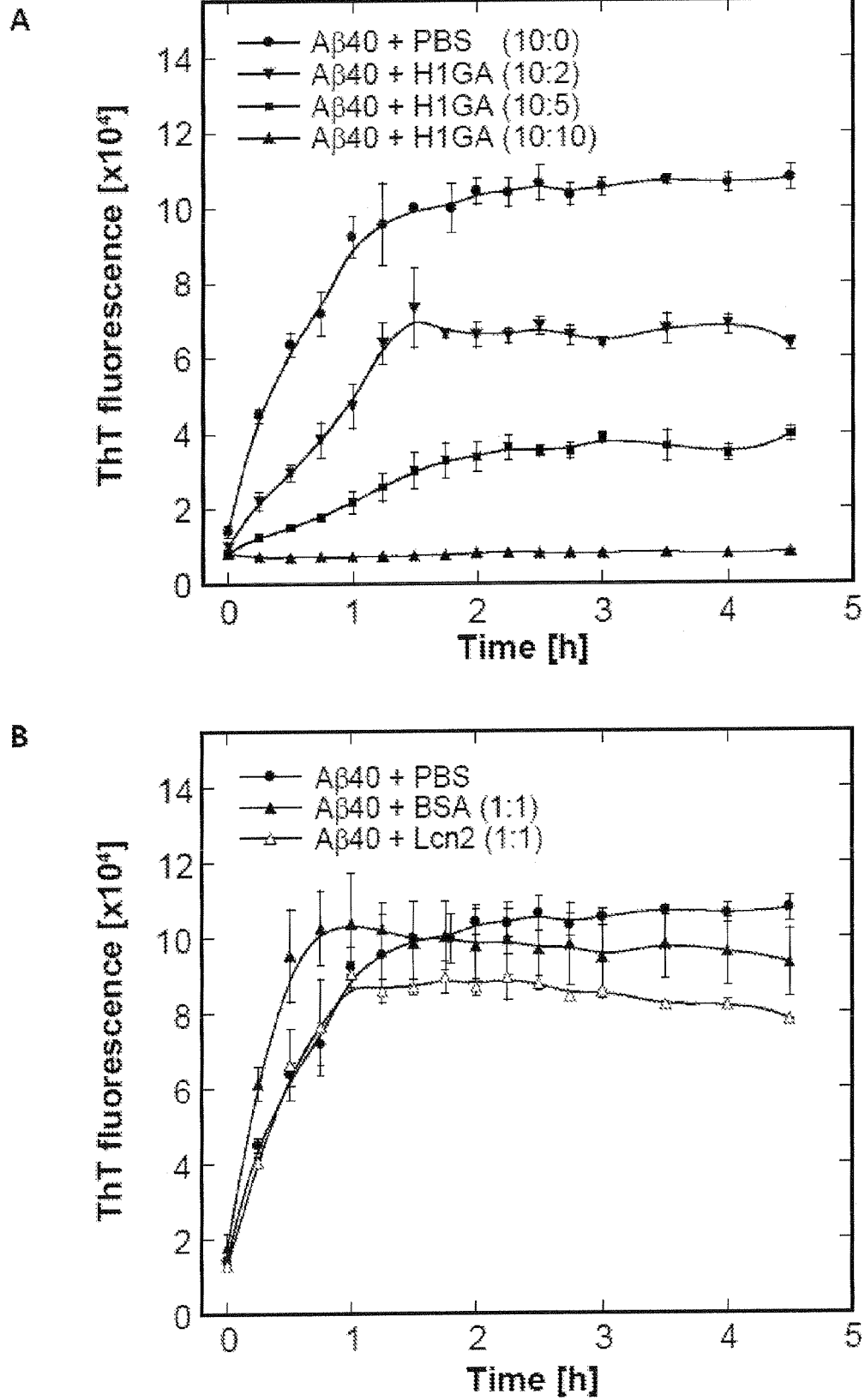


FIG. 23

	K_D [nM]	
	H1GA	H1GV
Aβ40 (Capture ELISA, Fig 19)	4.2 ± 0.3	4.9 ± 0.3
Trx-Aβ28 (Capture ELISA, Fig 19)	3.8 ± 0.4	4.2 ± 0.4
MBP-Aβ40 (SPR, Fig 20) *	0.48	1.1
Aβ40 (SPR, Fig 21) **	0.095	-
* dissociation time not sufficiently long		
** value more reliable since dissociation time long enough		

FIG. 24

```

1  QESTSLIPAPLEKVPLOQNFQDNCFCCKWYVYVGLACNAILEDKOPQMYATIYELKEKSNVTSVLFRRKKCDYWRITVPCCQPG
Lib  . . . . . b . . . . . z . . . . . x . . . . . x . . . . . x . . . . . x . . . . . s . . . . .
S1-A4 . . . . . h . . . . . v . . . . . yt . . . . . l . . . . . y . . . . . s . . . . . g . . . . . r . . . . . l . . . . .
US7   . . . . . h . . . . . v . . . . . ks . . . . . w . . . . . y . . . . . s . . . . . g . . . . . gt . . . . . h . . . . . k . . . . . r . . . . .
H1-G1 . . . . . h . . . . . c . . . . . vl . . . . . l . . . . . l . . . . . y . . . . . s . . . . . g . . . . . dd . . . . . l . . . . . k . . . . . r . . . . .
H1GA  . . . . . h . . . . . a . . . . . vl . . . . . l . . . . . l . . . . . y . . . . . s . . . . . g . . . . . dd . . . . . l . . . . . k . . . . . r . . . . .
H1GV  . . . . . h . . . . . v . . . . . vl . . . . . l . . . . . l . . . . . y . . . . . s . . . . . g . . . . . dd . . . . . l . . . . . k . . . . . r . . . . .
N7A   . . . . . h . . . . . k . . . . . hd . . . . . r . . . . . q . . . . . n . . . . . r . . . . . vh . . . . . n . . . . . r . . . . . w . . . . .
N7E   . . . . . h . . . . . e . . . . . sl . . . . . r . . . . . y . . . . . s . . . . . r . . . . . rs . . . . . h . . . . . l . . . . . r . . . . .
N9B   . . . . . h . . . . . r . . . . . mr . . . . . a . . . . . v . . . . . k . . . . . m . . . . . or . . . . . k . . . . . m . . . . . n . . . . .
N10D  . . . . . h . . . . . a . . . . . tw . . . . . y . . . . . q . . . . . n . . . . . l . . . . . ms . . . . . r . . . . . n . . . . . h . . . . .
=====A=====1=====B=====C=====2=====D=====

Lcn2 EPTLGNKSYPLTSLYVRVSTNKKQHAMVFFKKVSNQREYFKITLYGFTKELTSSELKENFIRFSKSLGLPENHIVEPVFIDQCIDG
Lib  . . . . . x . . . . . x . . . . . x . . . . . x . . . . . x . . . . . x . . . . . x . . . . . x . . . . . x . . . . .
S1-A4 . . . . . i . . . . . o . . . . . m . . . . . y . . . . . t . . . . . g . . . . . m . . . . . n . . . . .
US7   . . . . . r . . . . . r . . . . . r . . . . . a . . . . . v . . . . . q . . . . . s . . . . . n . . . . .
H1-G1 . . . . . r . . . . . e . . . . . g . . . . . w . . . . . e . . . . . a . . . . . t . . . . . n . . . . .
H1GA  . . . . . r . . . . . e . . . . . g . . . . . w . . . . . e . . . . . a . . . . . t . . . . . n . . . . .
H1GV  . . . . . r . . . . . e . . . . . g . . . . . w . . . . . e . . . . . a . . . . . t . . . . . n . . . . .
N7A   . . . . . n . . . . . w . . . . . l . . . . . w . . . . . r . . . . . y . . . . . l . . . . . e . . . . . n . . . . .
N7E   . . . . . l . . . . . k . . . . . h . . . . . f . . . . . t . . . . . a . . . . . y . . . . . f . . . . .
N9B   . . . . . a . . . . . p . . . . . p . . . . . t . . . . . h . . . . . f . . . . . y . . . . . h . . . . .
N10D  . . . . . s . . . . . w . . . . . l . . . . . w . . . . . r . . . . . y . . . . . f . . . . . g . . . . .
=====E=====3=====F=====G=====H=====I=====J=====K=====

```

[illegible]

FIG. 26

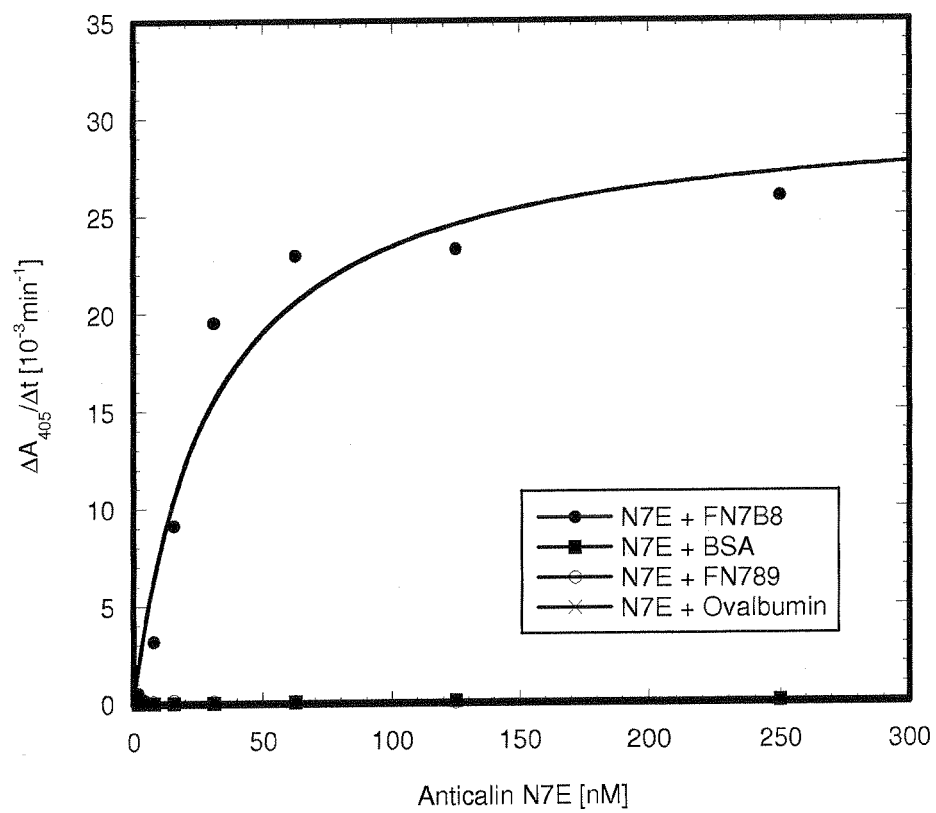


FIG. 27

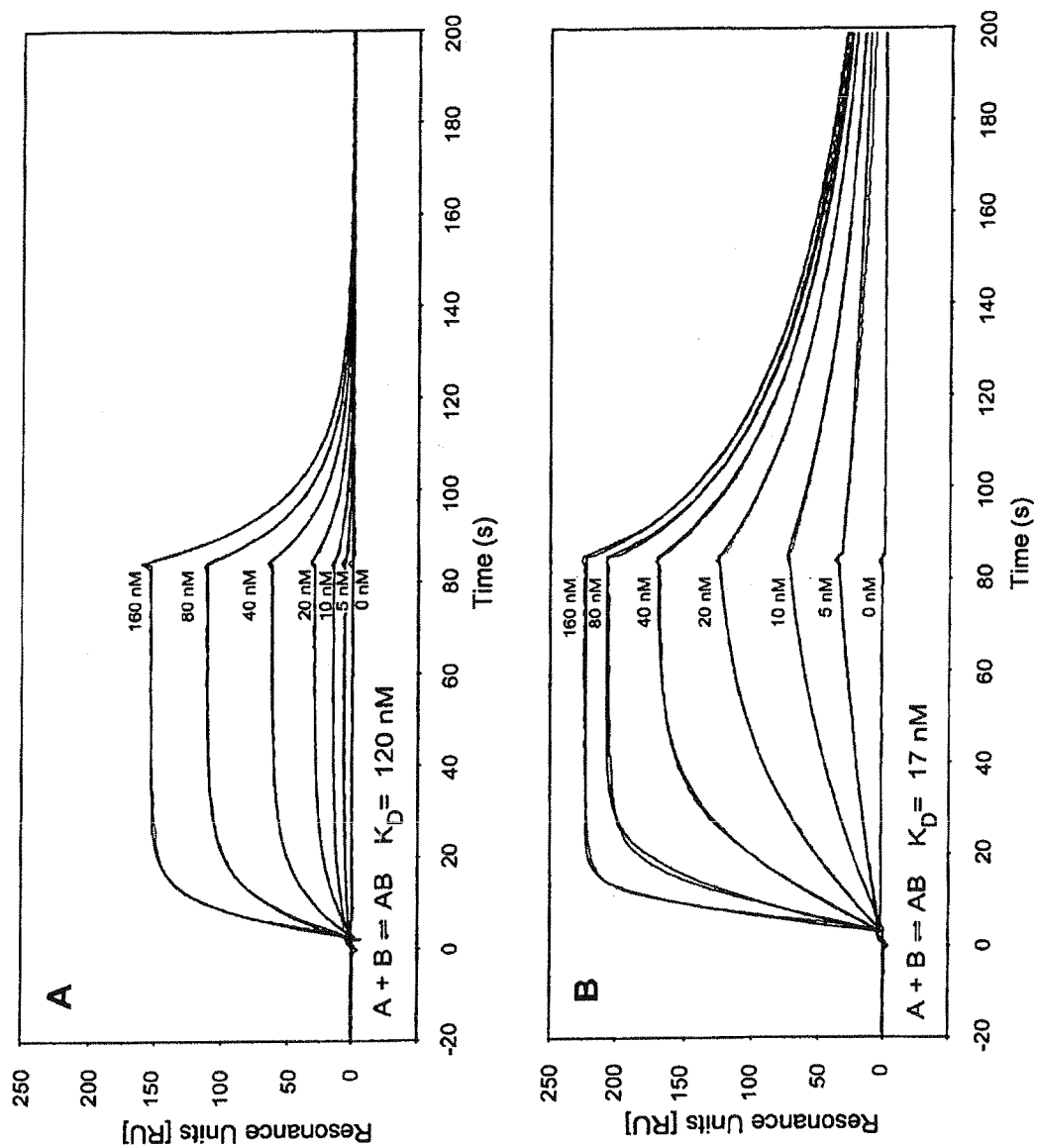


FIG. 27

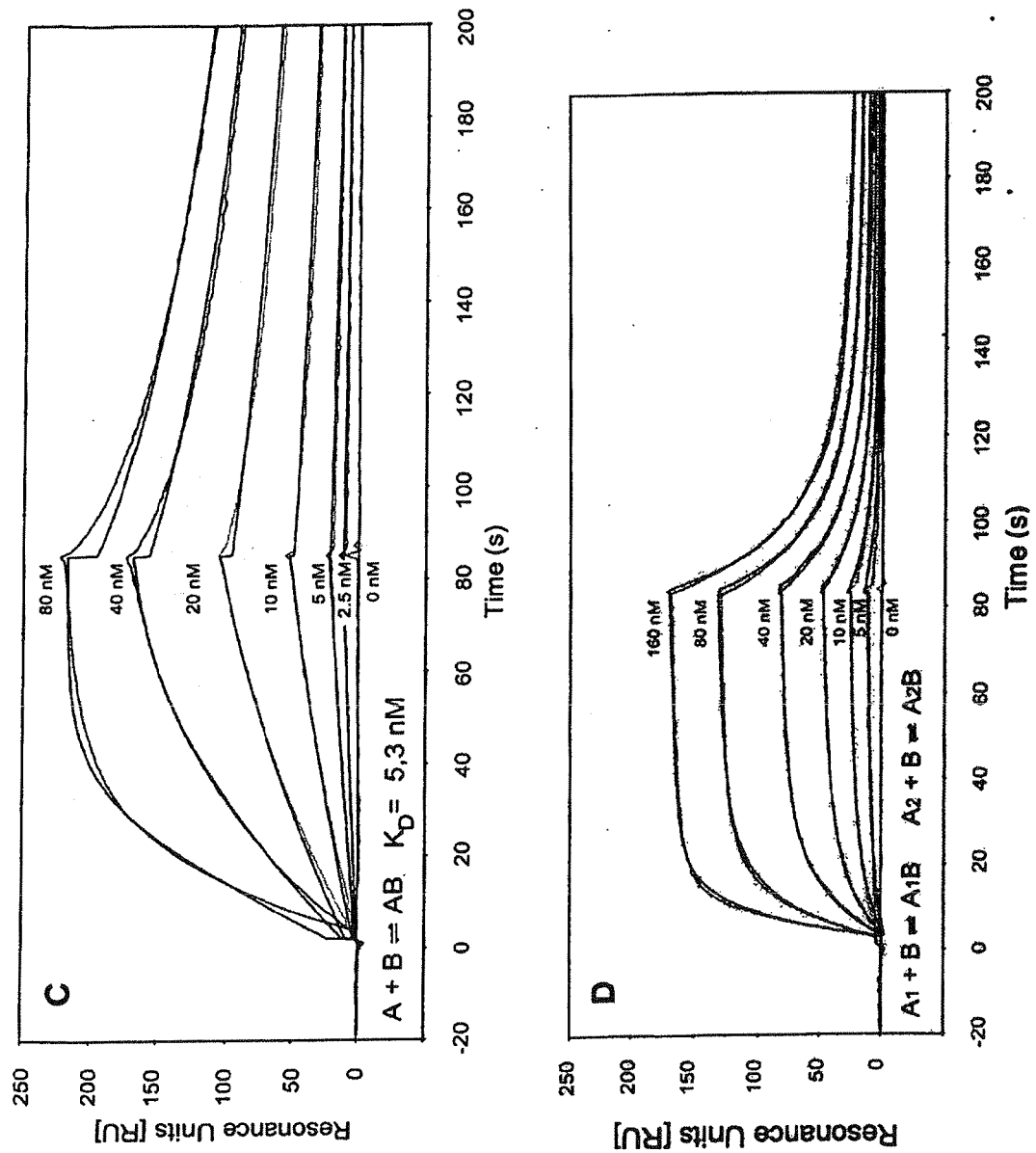


FIG. 28

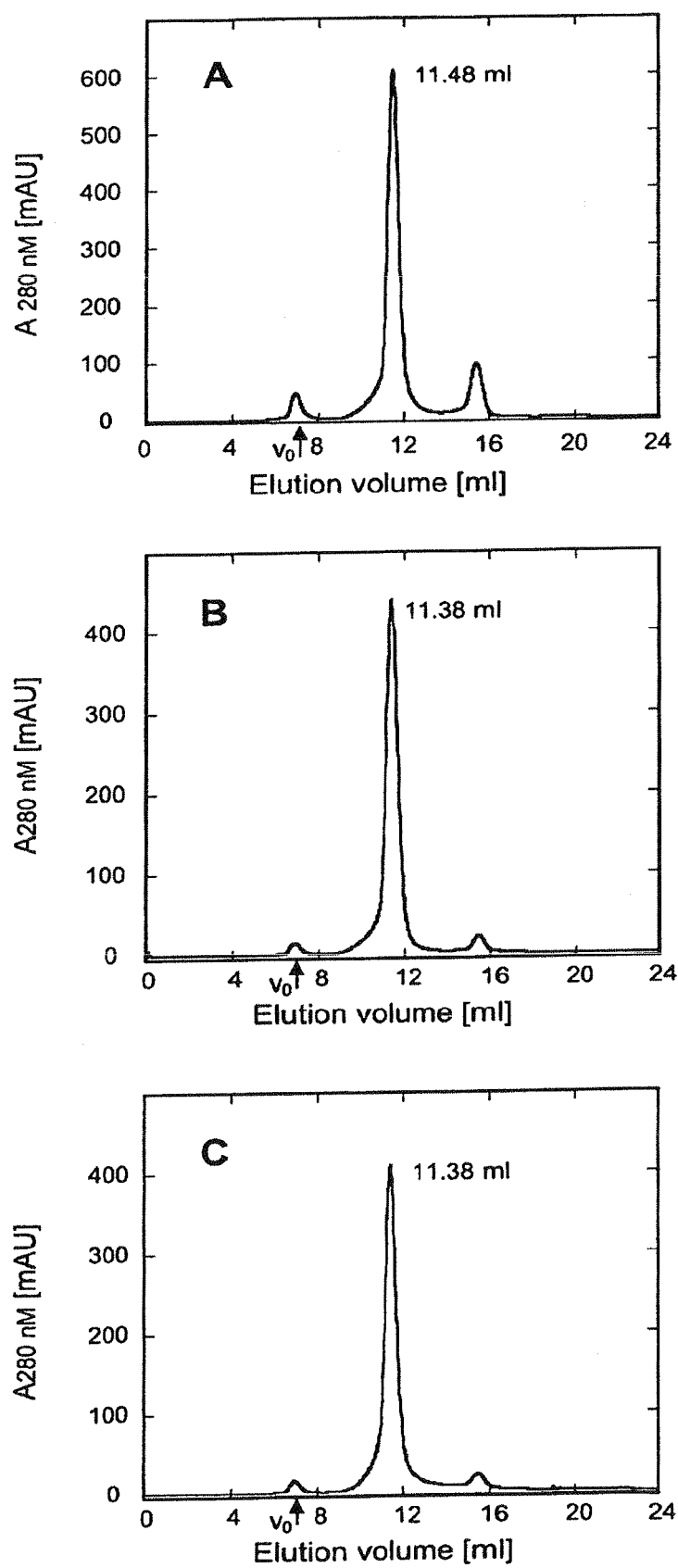


FIG. 28

