

A NG004 (variable heavy chain sequence VH) – SEQ ID NO: 2

FR1-----CDR1-FR2-----CDR2-----
 EVQLVESGGGVVQPGRSLRLSCAASGFTFRSHAMHWVRQAPGKGLEWVAVTSDGTNKYYADSVKG

FR3-----CDR3-----FR4-----
 RFTISKDNSKNTLYLQMDSLRVEDTAVYYCARGRAVAGTREDYWGQGLTVTVSS

NG004 (variable kappa chain sequence VL) – SEQ ID NO: 7

FR1-----CDR1-----FR2-----CDR2---
 DIQMTQSPDSLAVSLGERATINCKSSQSVLFSSNSKNYLAWYQQKPGQPPLVLIYWASTRES

FR3-----CDR3-----FR4-----
 GVPDRFSGSGSGTDFTLTISSLQAEDVAVYYCQQYYTTRPTFGLGTKVDIK

B NG034 (variable heavy chain sequence VH) – SEQ ID NO: 12

FR1-----CDR1-FR2-----CDR2-----
 EVQLVETGGGLVPPGGSLRLSCAASGFTFTNYSMHWRLAPGKRLEYISAISSDGGDPFYASSVKG

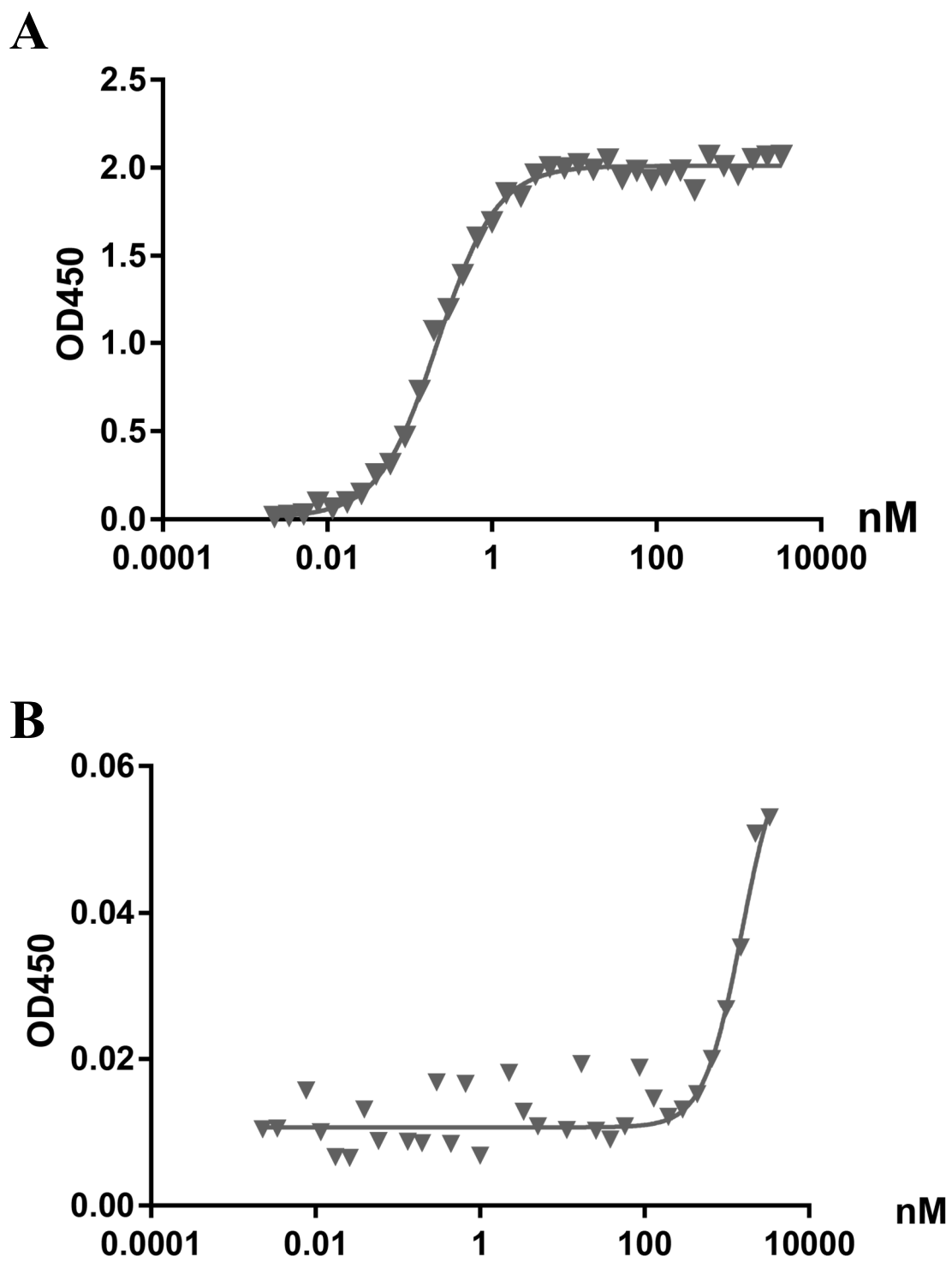
FR3-----CDR3-FR4-----
 RVAISRDNSSKKTLYLQMGRRLRPEDTAVYYCVSDAFDVWGQGTMTVTVSS

NG034 (variable kappa chain sequence VL) – SEQ ID NO: 17

FR1-----CDR1-----FR2-----CDR2---
 EIVLTQSPSLSLSVTLGQPASISCRSSQSLLYSNGNTYLNWFQQRPQGSPRRLLYRVSNRDS

FR3-----CDR3-----FR4-----
 GVPDRFSGSGSGTHFTLKISRVEAEDVGVYYCMQGTHWPRTFGQGTKVEIK

Fig. 1

**Fig. 2**

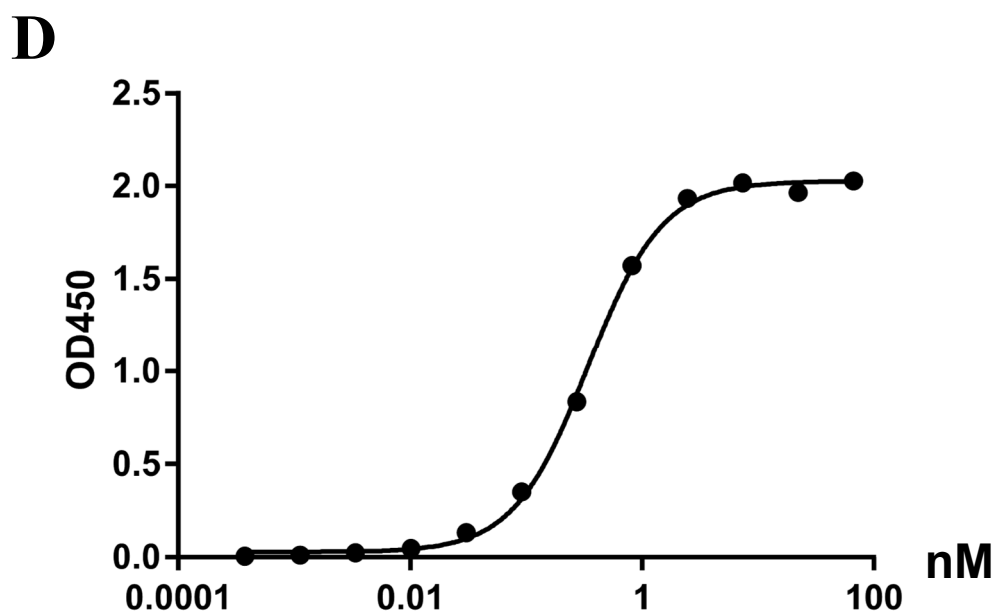
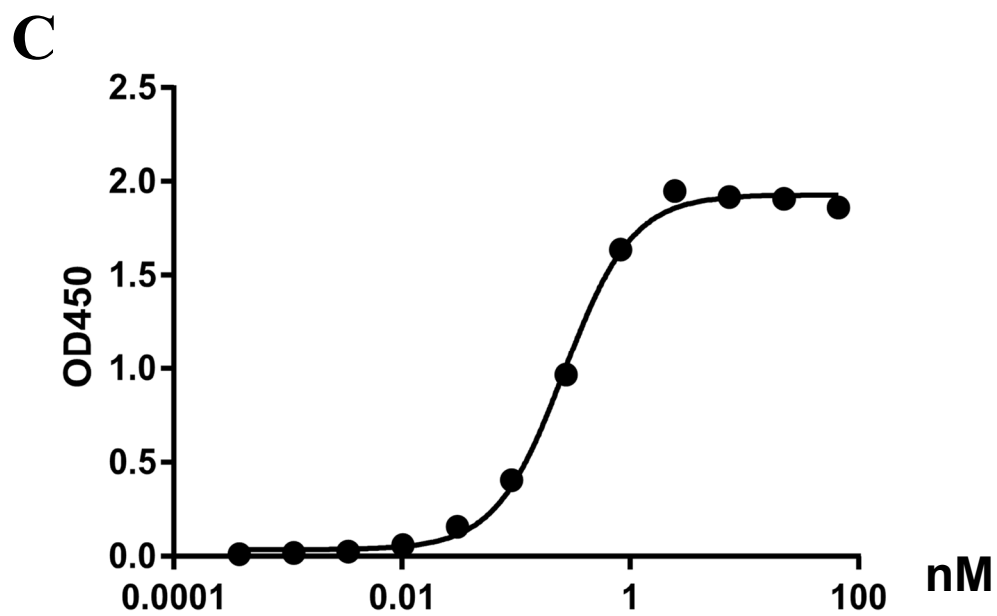


Fig. 2 (continued)

E

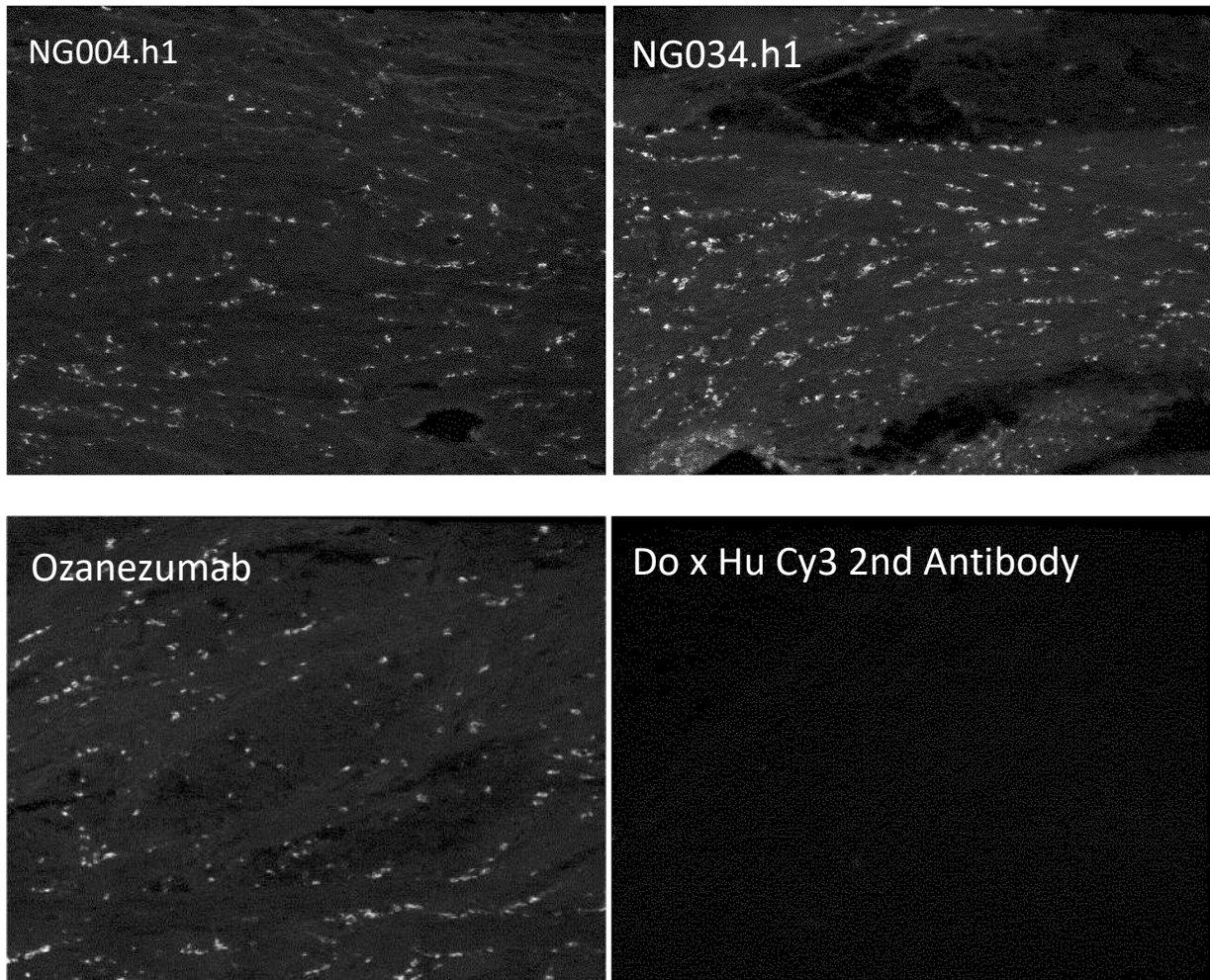
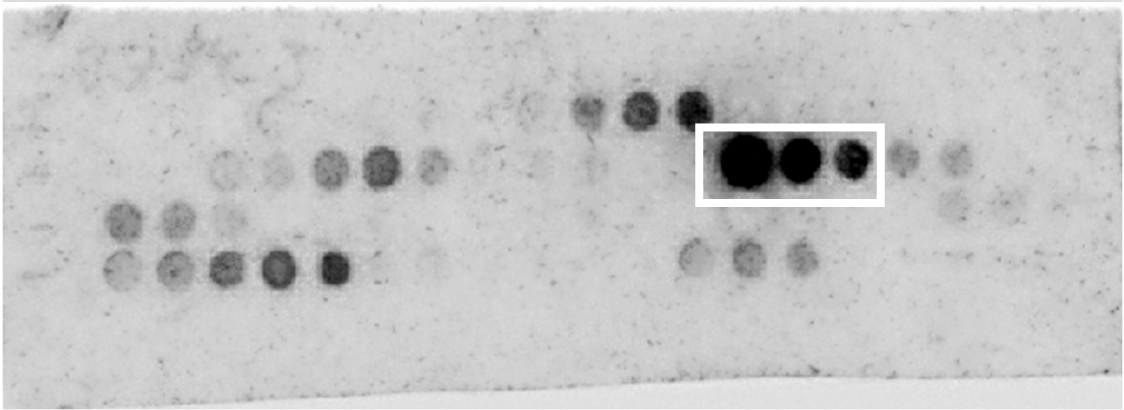


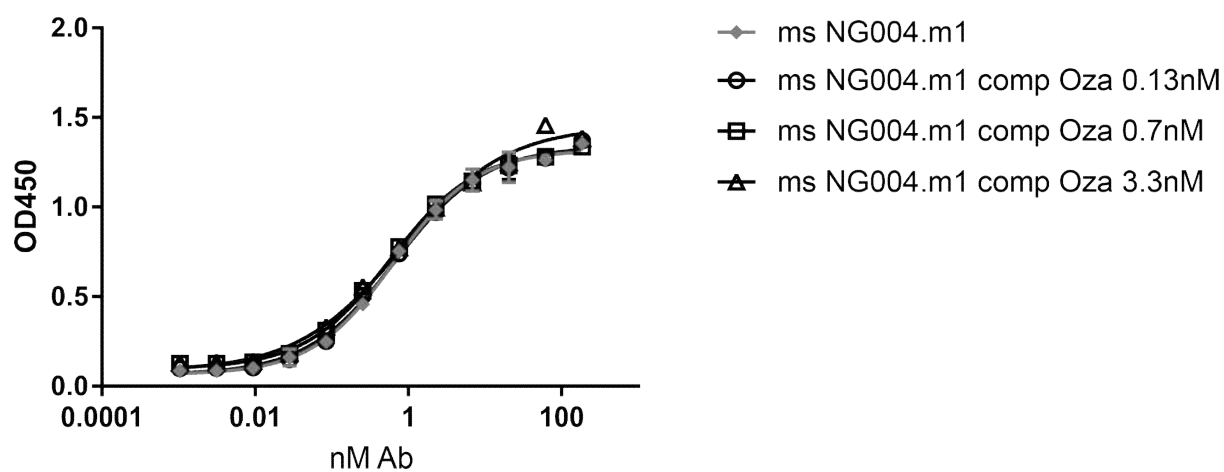
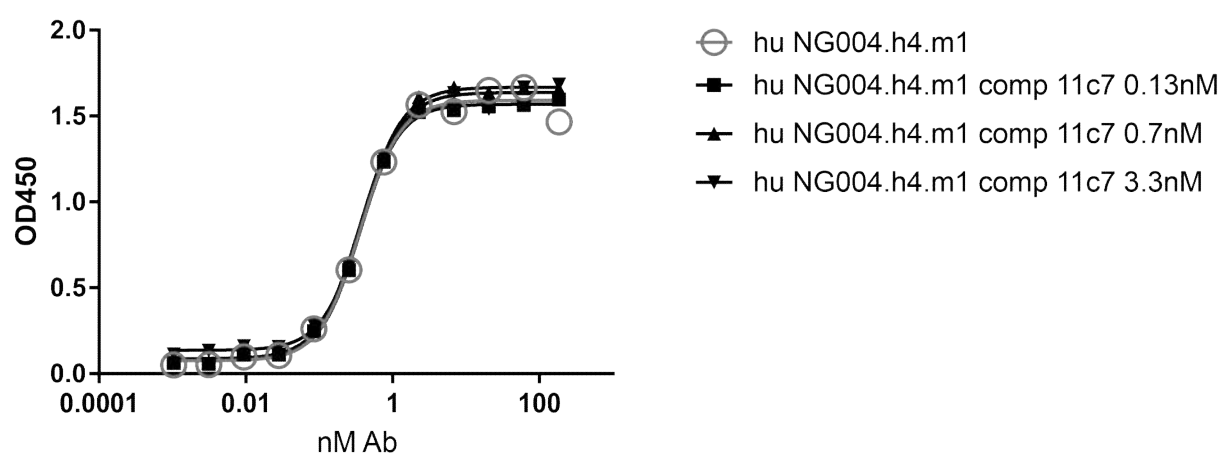
Fig. 2 (continued)



	133	138	143	148	153																								
33 (SEQ ID NO: 25)	S	G	I	K	E	E	I	K	E	P	E	N	I	N	A	-													
34 (SEQ ID NO: 22)		E	E	I	K	E	P	E	N	I	N	A	A	L	Q	E	++++												
35 (SEQ ID NO: 23)				E	P	E	N	I	N	A	A	L	Q	E	T	E	A	P	++++										
36 (SEQ ID NO: 24)								I	N	A	A	L	Q	E	T	E	A	P	Y	I	S	I	++						
37 (SEQ ID NO: 26)														L	Q	E	T	E	A	P	Y	I	S	I	A	C	D	L	-

	133	138	143	148	153																										
Consensus: (SEQ ID NO: 27)	S	G	I	K	E	E	I	K	E	P	E	N	I	N	A	A	L	Q	E	T	E	A	P	Y	I	S	I	A	C	D	L

Fig. 3

A**B****Fig. 4**

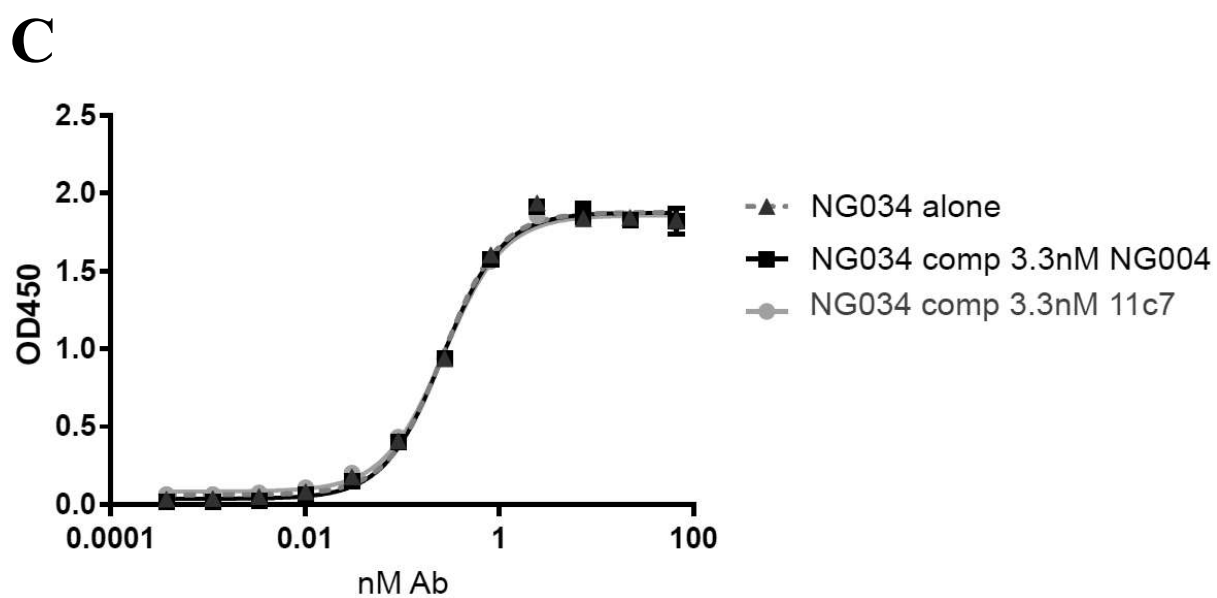
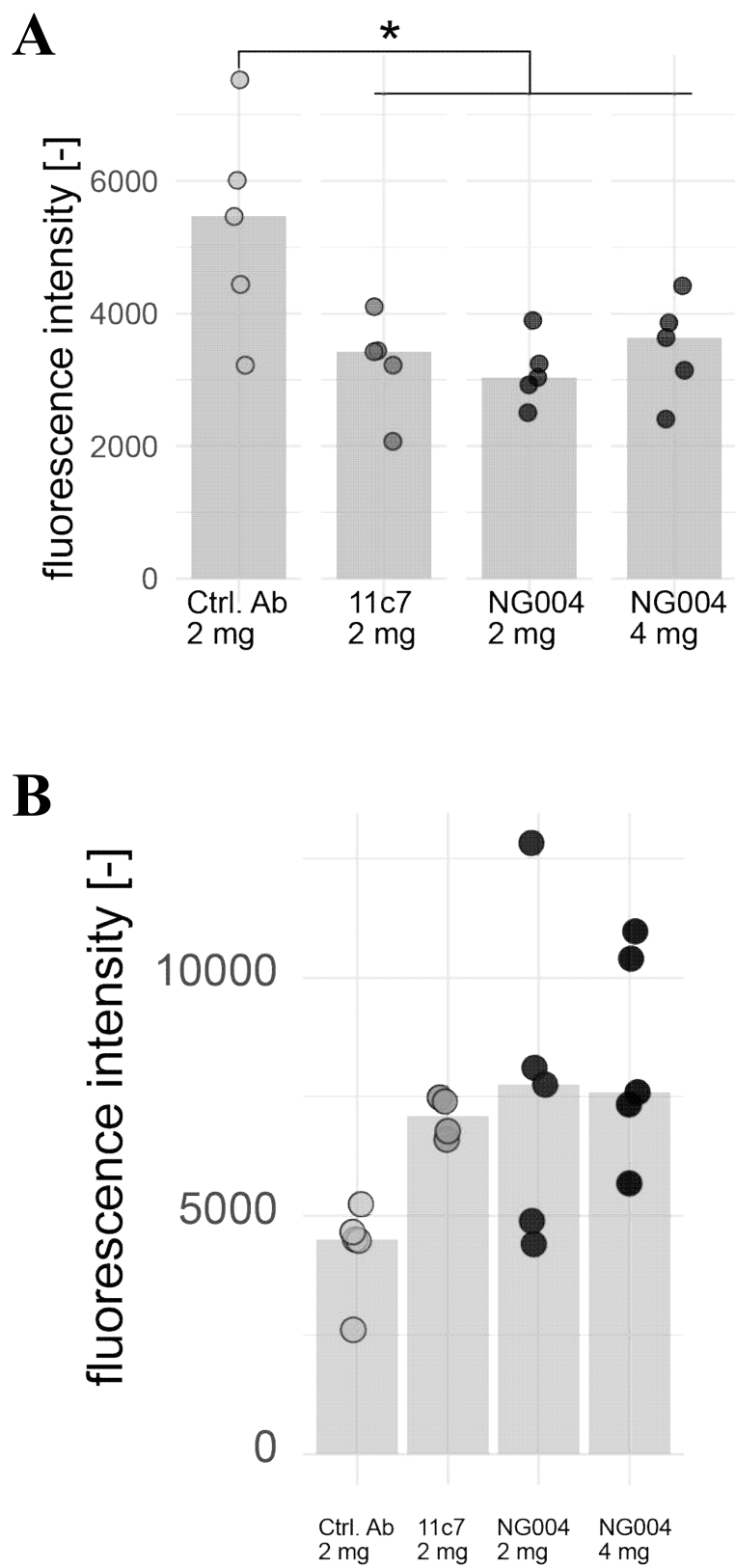
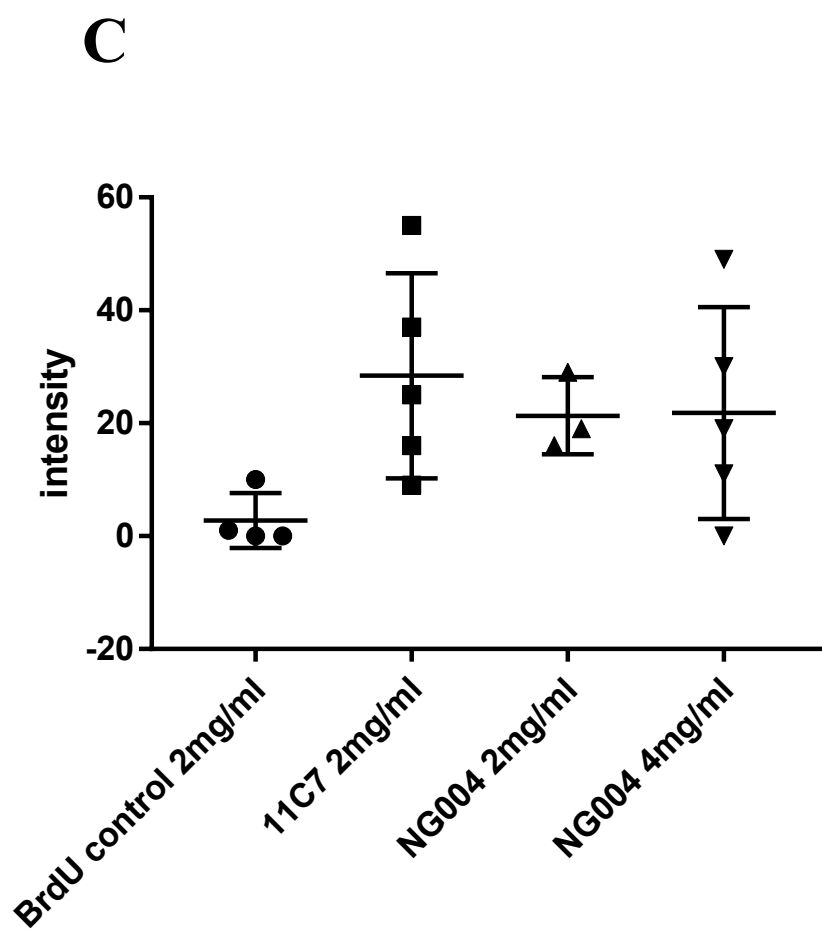
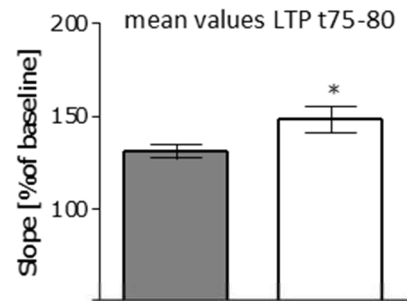
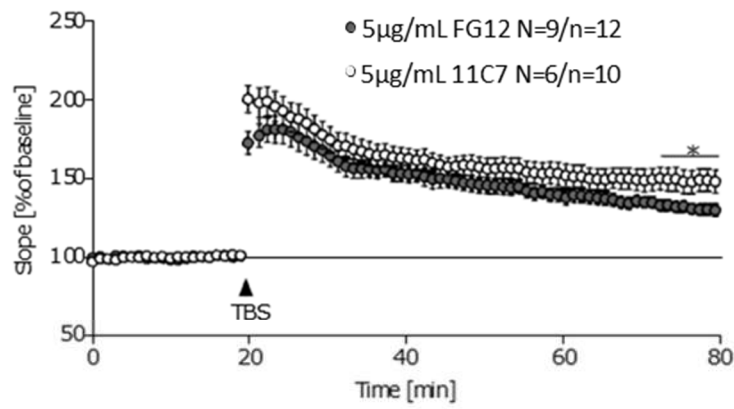
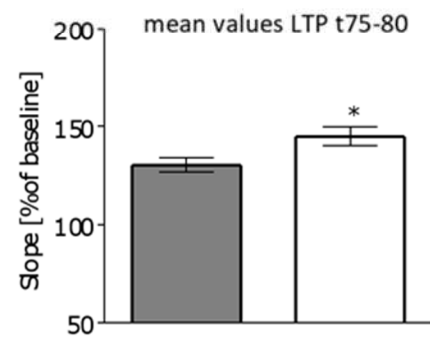
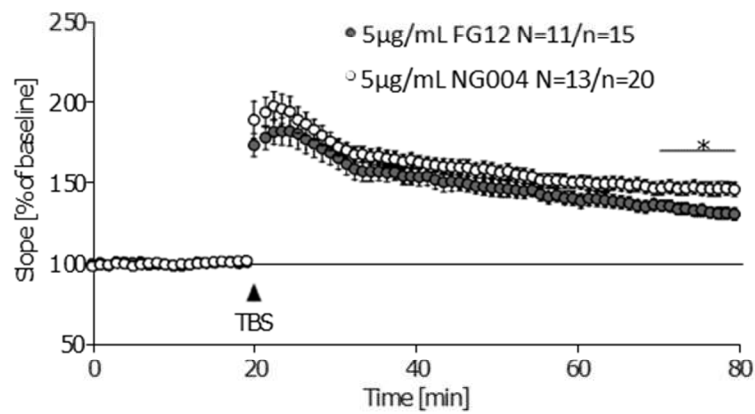
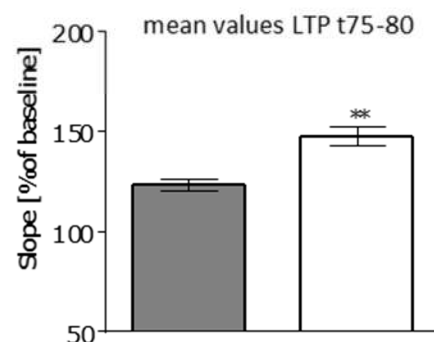
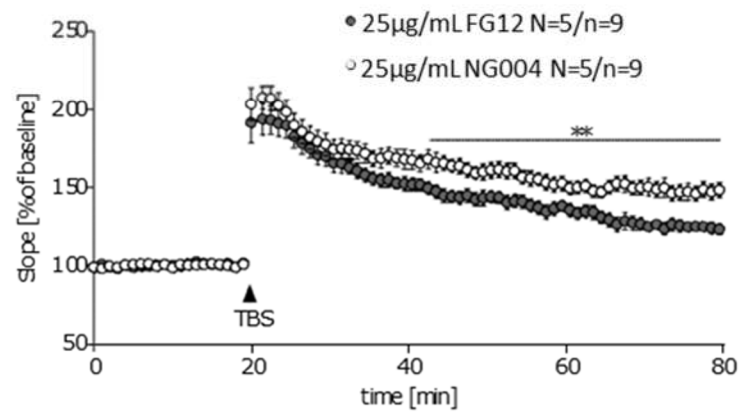


Fig. 4 (continued)

**Fig. 5**

**Fig. 5 (continued)**

A**B****C****Fig. 6**

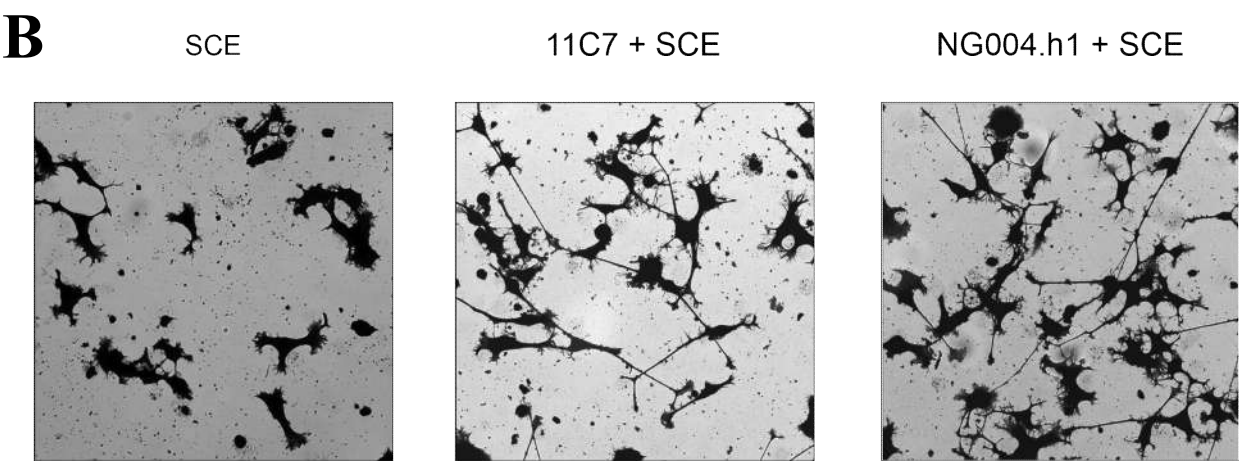
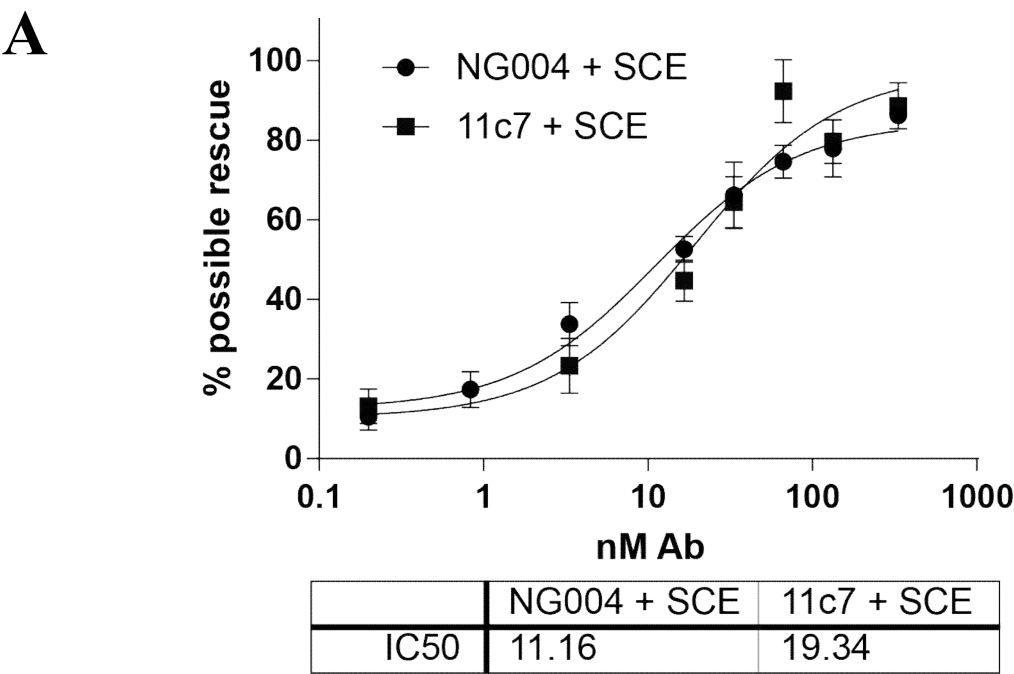
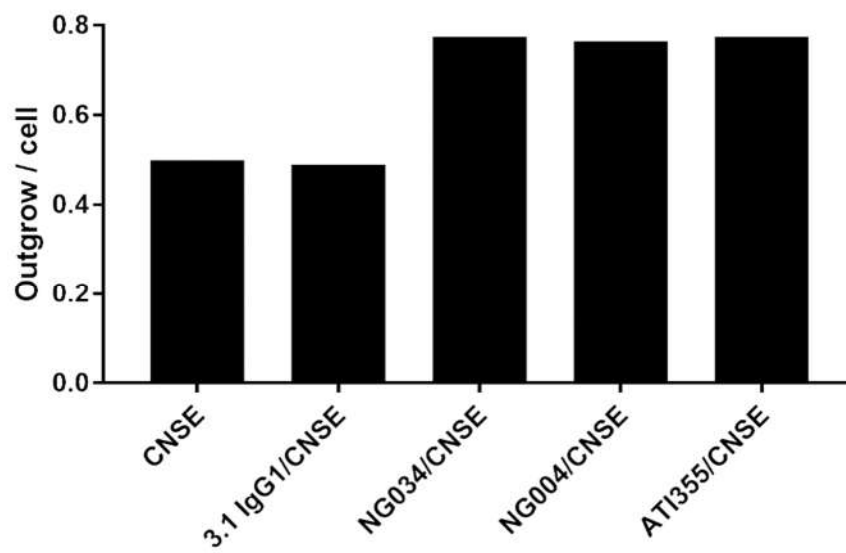
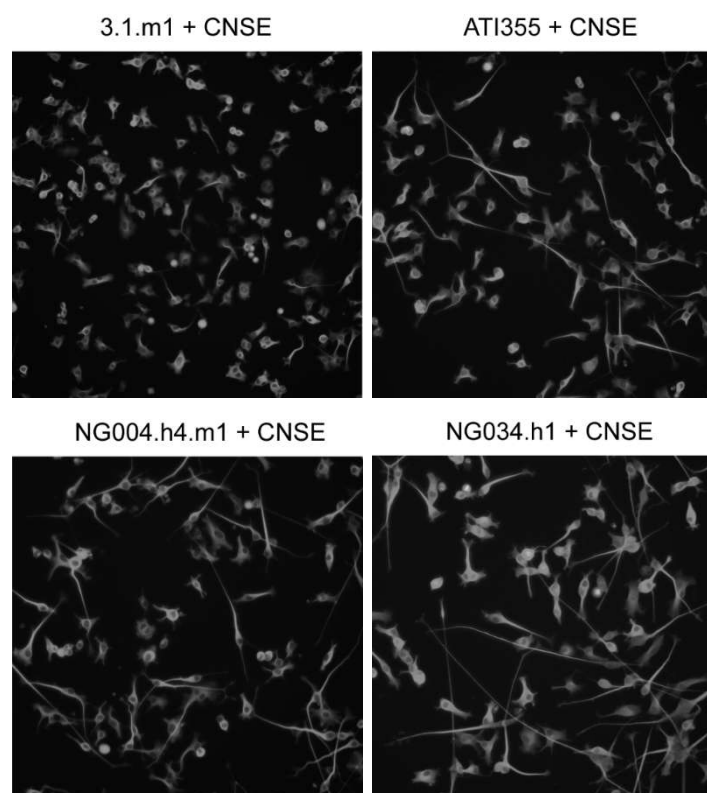


Fig. 7

C**D****Fig. 7 (continued)**

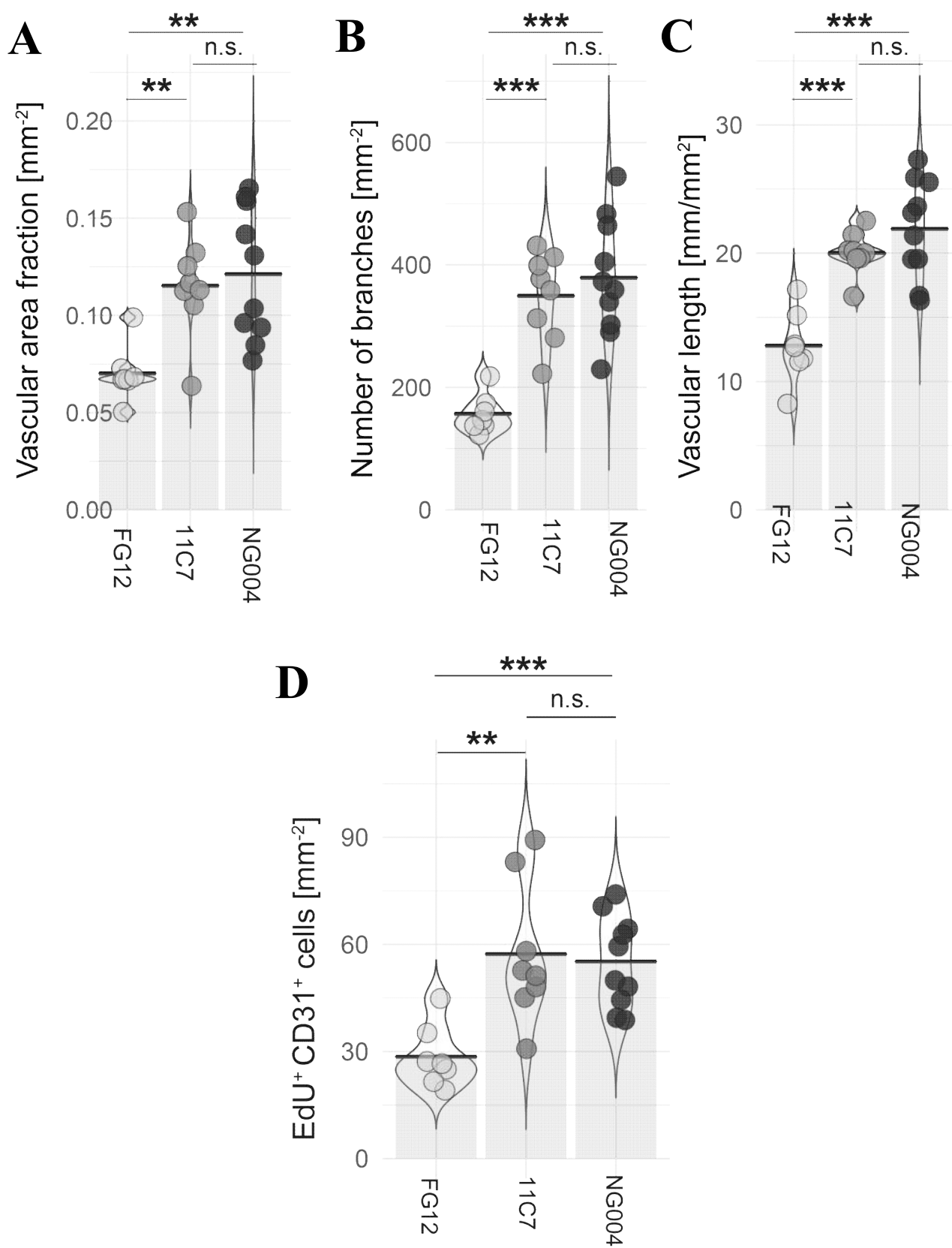
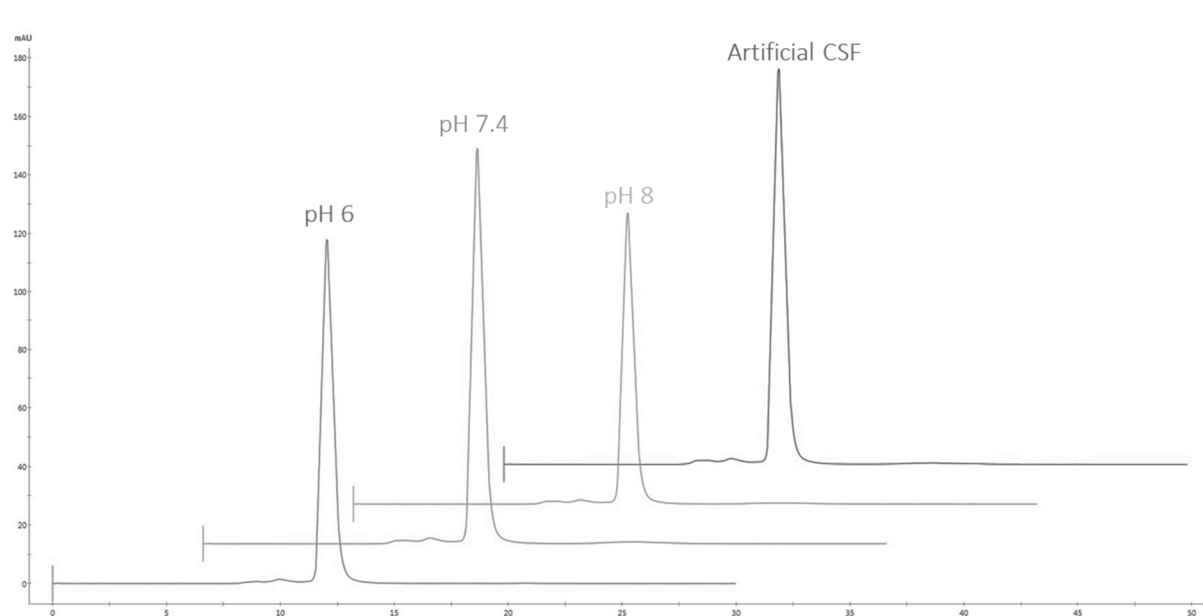
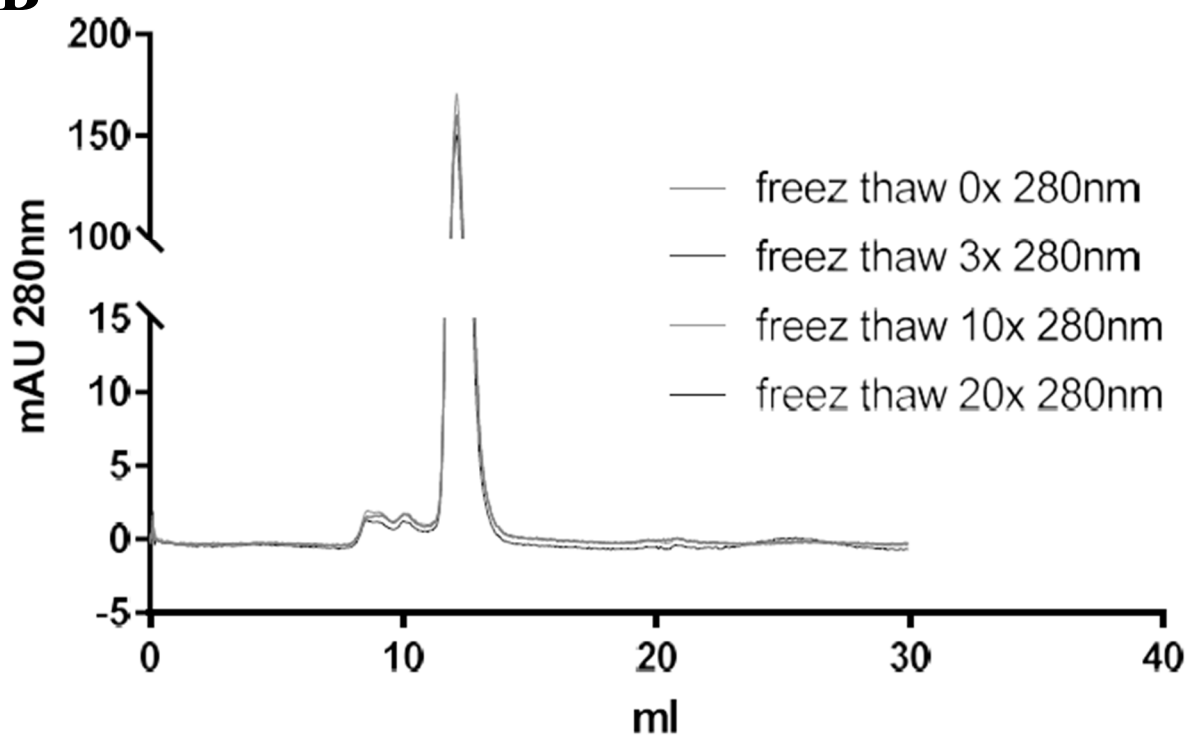


Fig. 8

A**B****Fig. 9**

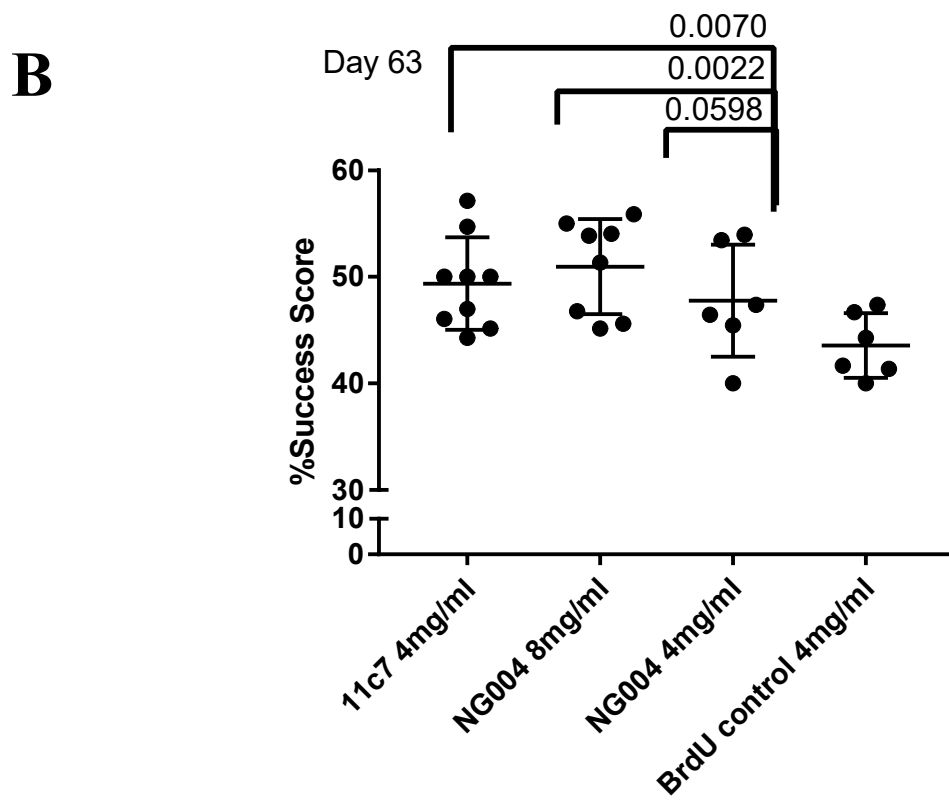
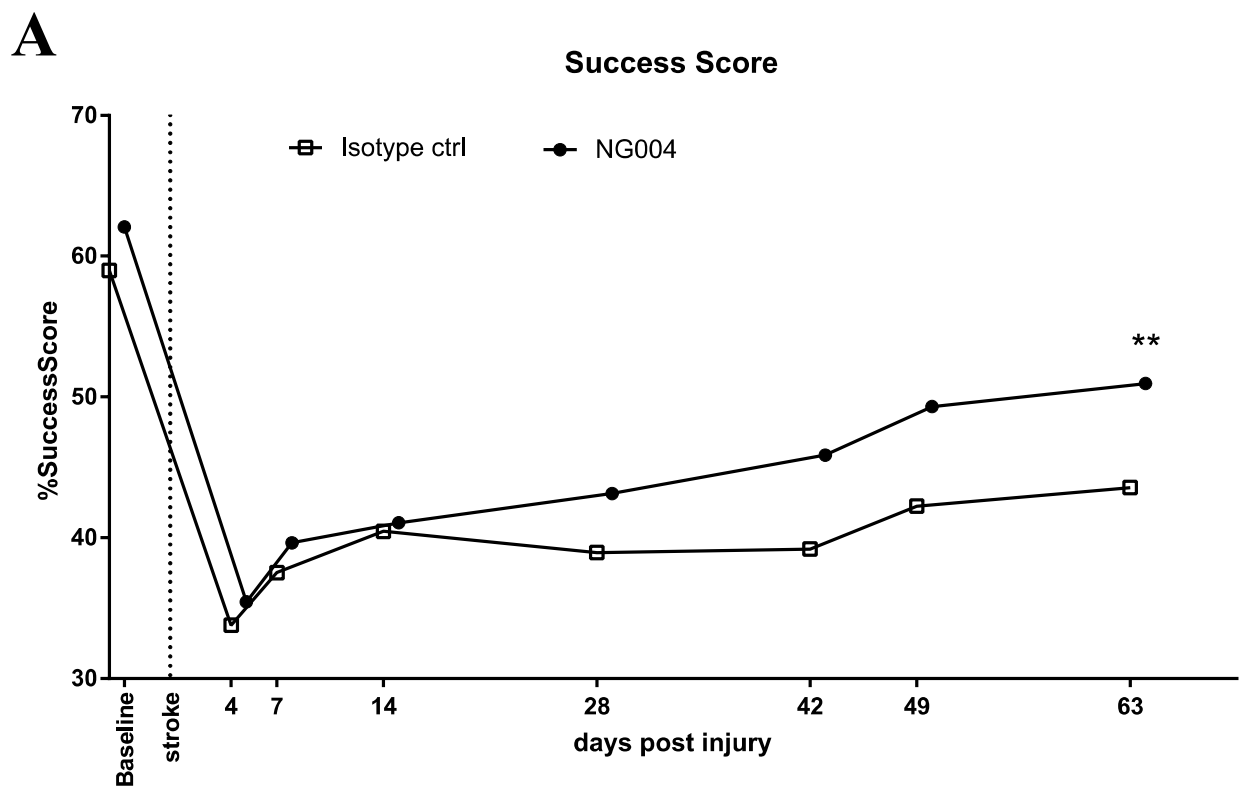
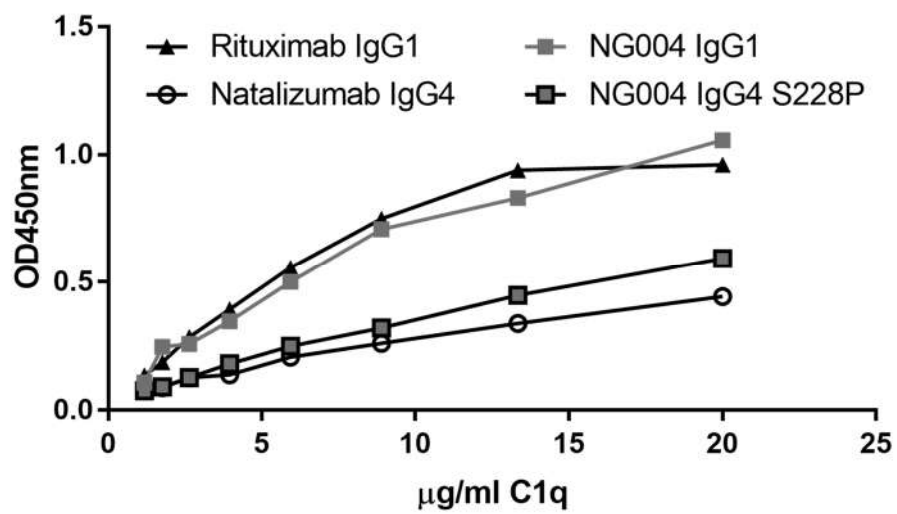


Fig. 10

**Fig. 11**