

[FIG. 1]

Kabat Number	LFR1										CDR-L1																											
	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15	L16	L17	L18	L19	L20	L21	L22	L23	L24	L25	L26	L27	L27	L27	L27	L27	L28	L29	L30	L31	L32	L33	L34
m15H11 VK (SEQ ID NO. 7)	D	I	V	L	T	Q	S	P	V	S	L	A	V	S	L	G	Q	R	A	T	I	Y	C	R	A	S	E	S	V	D	N	Y	G	I	S	F	M	N

Kabat Number	LFR2										CDR-L2										LFR3										LFR4									
	L35	L36	L37	L38	L39	L40	L41	L42	L43	L44	L45	L46	L47	L48	L49	L50	L51	L52	L53	L54	L55	L56	L57	L58	L59	L60	L61	L62	L63	L64	L65	L66	L67	L68	L69	L70	L71	L72		
W	F	Q	Q	Q	K	P	G	Q	P	P	K	L	L	I	Y	A	A	S	S	Q	G	S	G	V	P	A	R	F	S	G	S	G	S	G	T	D	F	S		

Kabat Number	LFR3										CDR-L3										LFR4															
	L73	L74	L75	L76	L77	L78	L79	L80	L81	L82	L83	L84	L85	L86	L87	L88	L89	L90	L91	L92	L93	L94	L95	L96	L97	L98	L99	L100	L101	L102	L103	L104	L105	L106	L107	L108
L	N	I	H	P	M	E	E	D	D	T	A	M	Y	F	C	Q	Q	S	K	E	F	P	W	T	F	G	G	G	T	K	L	E	I	K	R	A

The results of Kabat numbering of the light chain variable region (SEQ ID NO: 7) of 15H11 (upper row) and the heavy chain variable region (SEQ ID NO: 3) of 15H11 (lower row)

Kabat Number	HFR1										CDR-H1										HFR2																			
	H1	H2	H3	H4	H5	H6	H7	H8	H9	H10	H11	H12	H13	H14	H15	H16	H17	H18	H19	H20	H21	H22	H23	H24	H25	H26	H27	H28	H29	H30	H31	H32	H33	H34	H35	H36	H37	H38	H39	H40
m15H11 VH (SEQ ID NO.3)	E	V	Q	L	Q	Q	S	G	P	E	L	L	K	P	G	A	S	V	K	I	S	C	K	A	S	G	Y	T	F	T	D	Y	N	M	H	W	V	K	Q	S

Kabat Number	HFR2										CDR-H2										HFR3																		
	H41	H42	H43	H44	H45	H46	H47	H48	H49	H50	H51	H52	H52	H53	H54	H55	H56	H57	H58	H59	H60	H61	H62	H63	H64	H65	H66	H67	H68	H69	H70	H71	H72	H73	H74	H75	H76	H77	H78
H	G	R	S	L	E	W	I	G	R	I	N	P	A	K	N	G	V	I	N	S	E	K	F	K	D	K	A	T	L	T	V	D	K	S	L	S	T	A	Y

Kabat Number	HFR3										CDR-H3										HFR4																			
	H80	H81	H82	H82	H82	H82	H83	H84	H85	H86	H87	H88	H89	H90	H91	H92	H93	H94	H95	H96	H97	H98	H99	H10	H10	H10	H10	H10	H10	H10	H10	H10	H10	H10	H10	H10	H10	H11	H11	H11
M	D	L	R	S	L	T	S	E	D	S	A	V	Y	F	C	A	P	S	Y	Y	G	G	N	T	D	A	Y	W	G	H	G	T	V	T	V	T	V	S	A	

[illegible]

LFR2										CDR-L2										LFR3																	
L35	L36	L37	L38	L39	L40	L41	L42	L43	L44	L45	L46	L47	L48	L49	L50	L51	L52	L53	L54	L55	L56	L57	L58	L59	L60	L61	L62	L63	L64	L65	L66	L67	L68	L69	L70	L71	L72
W	F	Q	Q	K	P	G	Q	P	P	K	L	L	I	Y	A	A	S	S	Q	G	S	C	V	P	A	R	F	S	G	S	G	S	G	T	D	F	T

LFR3										CDR-L3										LFR4																
L73	L74	L75	L76	L77	L78	L79	L80	L81	L82	L83	L84	L85	L86	L87	L88	L89	L90	L91	L92	L93	L94	L95	L96	L97	L98	L99	L100	L101	L102	L103	L104	L105	L106	L107	L108	L109
L	T	I	N	P	M	E	A	N	D	T	A	N	Y	Y	C	Q	Q	S	K	E	F	P	W	T	F	G	G	G	T	K	V	E	I	K	R	T

The results of Kabat numbering of the light chain variable region (SEQ ID NO: 28) of h15H11 (upper row) and the heavy chain variable region (SEQ ID NO: 25) of h15H11 (lower row)

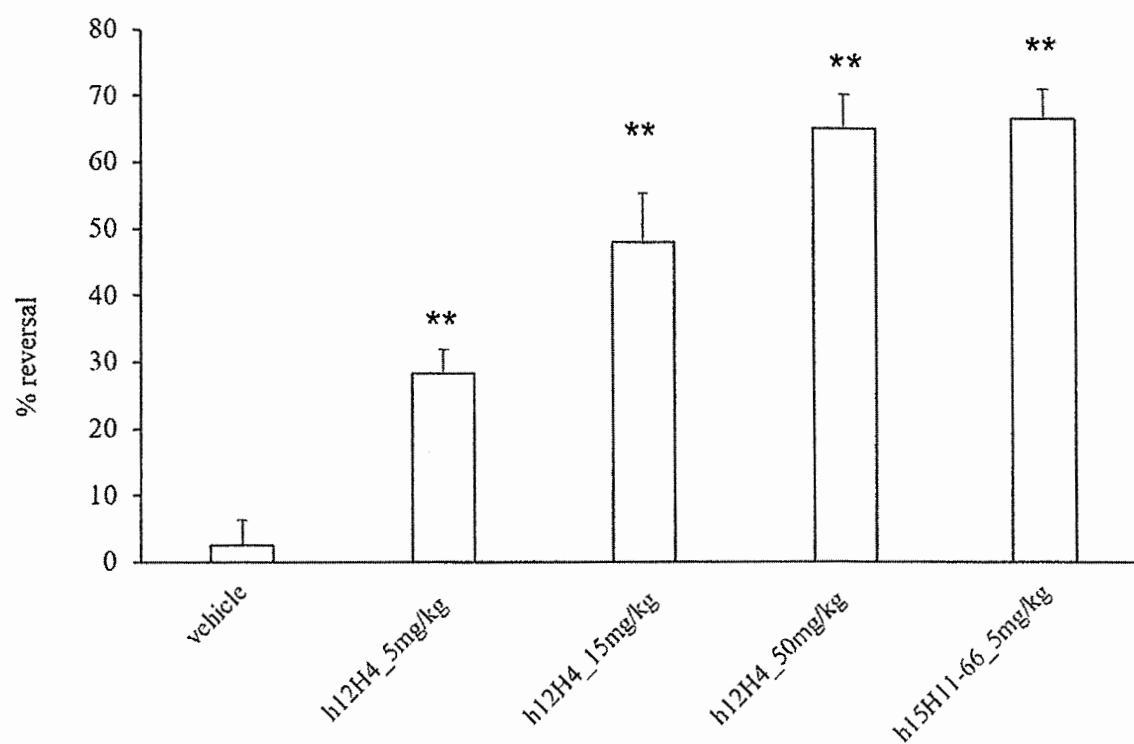
	HFR1																CDR-H1										HFR2															
	H1	H2	H3	H4	H5	H6	H7	H8	H9	H10	H11	H12	H13	H14	H15	H16	H17	H18	H19	H20	H21	H22	H23	H24	H25	H26	H27	H28	H29	H30	H31	H32	H33	H34	H35	H36	H37	H38	H39	H40		
Kabat number																																										
15HH11 GHW7-4-1 (Q43R, G45S, R94P) (SEQ ID NO. 2-5)	V	Q	L	V	Q	S	G	S	E	L	K	K	P	G	A	S	V	K	V	S	C	K	A	S	G	Y	T	F	T	D	Y	N	M	H	W	V	R	Q	A			

HFR2										CDR-H2										HFR3																			
141	H42	H43	H44	H45	H46	H47	H48	H49	H50	H51	H52	H53	H54	H55	H56	H57	H58	H59	H60	H61	H62	H63	H64	H65	H66	H67	H68	H69	H70	H71	H72	H73	H74	H75	H76	H77	H78	H79	
											A																												
	G	R	S	L	E	W	M	G	R	I	N	P	K	N	G	V	I	N	S	N	E	K	F	K	D	R	F	V	F	S	L	D	T	S	V	S	T	A	Y

HFR3										CDR-H3												HFR4																	
H80	H81	H82	H82	H82	H82	H83	H84	H85	H86	H87	H88	H89	H90	H91	H92	H93	H94	H95	H96	H97	H98	H99	H10	H10	H10	H10	H10	H10	H10	H10	H10	H10	H10	H10	H10	H10	H10	H10	H10
		A	B	C																			0	0A	0B	1	2	3	4	5	6	7	8	9	0	1	2	3	
Q	I	S	S	L	K	A	E	D	T	A	V	Y	Y	C	A	P	S	Y	Y	G	G	N	T	D	A	Y	W	G	G	Q	G	T	L	V	T	V	S	S	

[FIG.3]

Evaluation of drug efficacy of intravenous administration to partial sciatic nerve ligation models



n=6-14, ** $p < 0.01$ vs vehicle