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Internal ID		CDR1	CDR2	CDR3
312557	SEQ ID NO:1	GFTFDDYA	ISWNSGSI	AKDSRGYGDYRLGGAY
308261	SEQ ID NO:2	GFTFDDYA	ISWNSGSI	AKDSRGYGDYRLGGAY
308159	SEQ ID NO:3	GFTFDDYA	ISWNSGSI	AKDSRGYGDYSRGGAY
308160	SEQ ID NO:4	GFTFDDYA	ISWNSGSI	AKDSRGYGDYSLGGAY
308256	SEQ ID NO:5	GFTFDDYA	ISWNSGSI	AKDSRGYGDYSLGGAY
312585	SEQ ID NO:6	GFTFANYA	ISWNSGSI	AKDSRGYGDYSRGGAY
312614	SEQ ID NO:7	GFTFNYYA	ISWNSGSI	AKDSRGYGDYSRGGAY
312583	SEQ ID NO:8	GFTFADYA	ISWNSGSI	AKDSRGYGDYSRGGAY
312586	SEQ ID NO:9	GFTFDNYA	ISWNSGSI	AKDSRGYGDYSRGGAY
312624	SEQ ID NO:10	GFTFDNYA	ISWNSGSI	AKDSRGYGDYSRGGAY
312578	SEQ ID NO:11	GFTFDDYA	ISWNSGSI	AKDSRGYGDYSRGGAY
312620	SEQ ID NO:12	GFTFDDYA	ISWNSGSI	AKDSRGYGSYSRGGAY
312634	SEQ ID NO:13	GFTFHNYA	ISWNSGSI	AKDSRGYGDYSLGGAY
312579	SEQ ID NO:14	GFTFDDYA	ISWNSGSI	AKDSRGYGDYSRGGAY
312630	SEQ ID NO:15	GFTFDNYA	ISWNSGSI	AKDSRGYGDYSLGGAY
312570	SEQ ID NO:16	GFTFDDYA	ISWNSGSI	AKDSRGYGDYRLGGAY
312567	SEQ ID NO:17	GFTFDDYA	ISWNSGSI	AKDSRGYGDYRLGGAY
312558	SEQ ID NO:18	GFTFDDYA	ISWNSGSI	AKDSRGYGDYRLGGAY

FIG. 1A

312325	SEQ ID NO:19	QSVSSN	GAS	QQYNNWPWT
308902- bivalent	SEQ ID NO:20	GFTVSSYG	IRGSDGST	AKQGENDGPFDH
308902	SREQ ID NO:21	GFTVSSYG	IRGSDGST	AKQGENDGPFDH

FIG. 1B

304703	SEQ ID NO.22	GGSISSGGHY	IHYSGST	ARWRHDI FAAYPYYYYGMDV
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FIG. 1C

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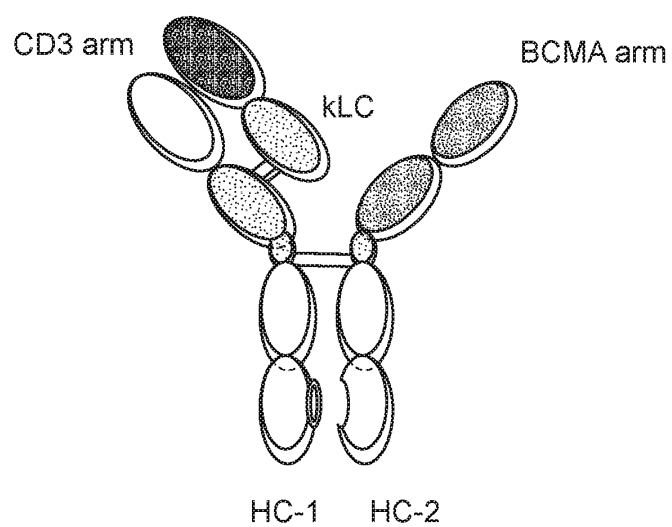


FIG. 2

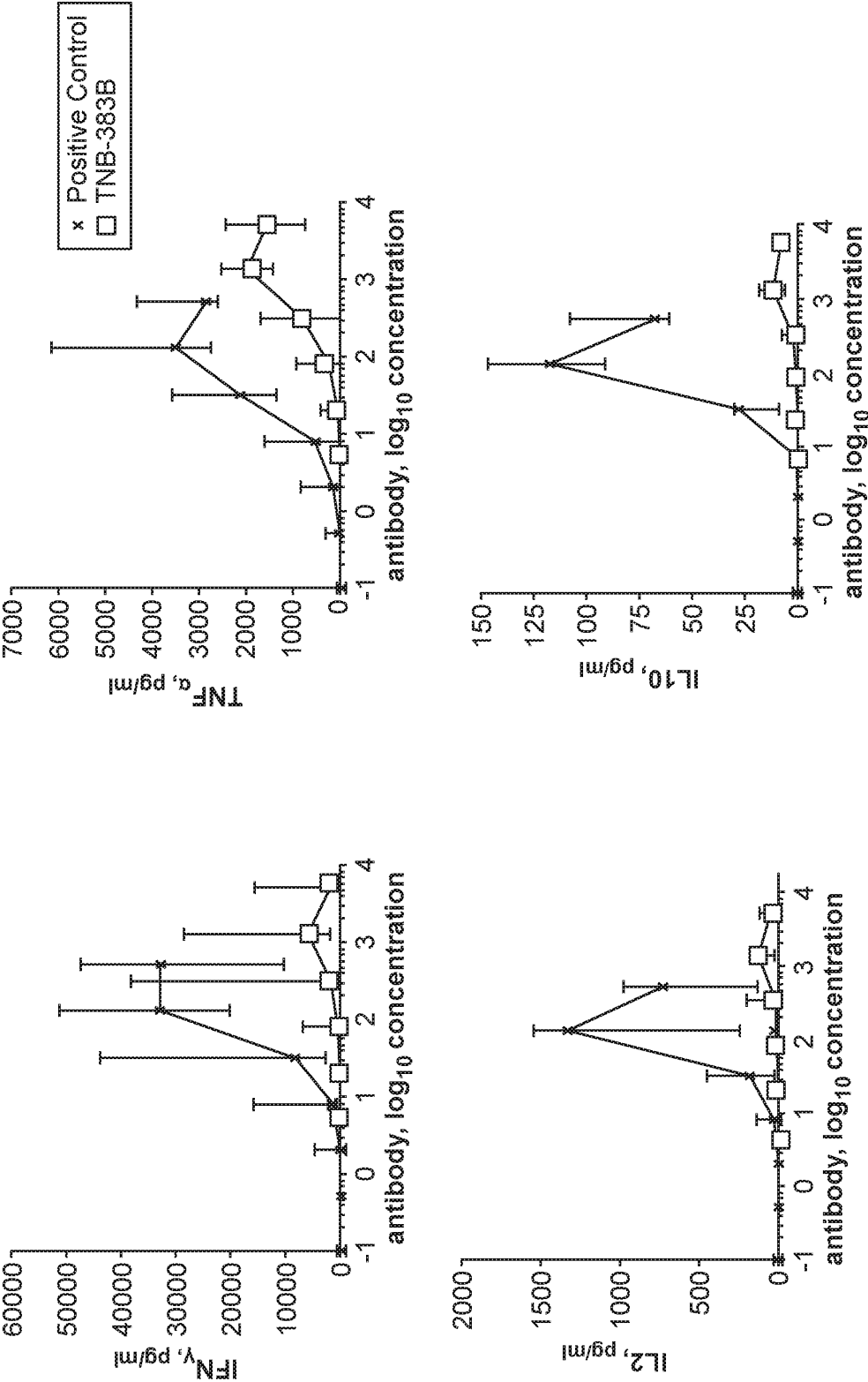


FIG. 3

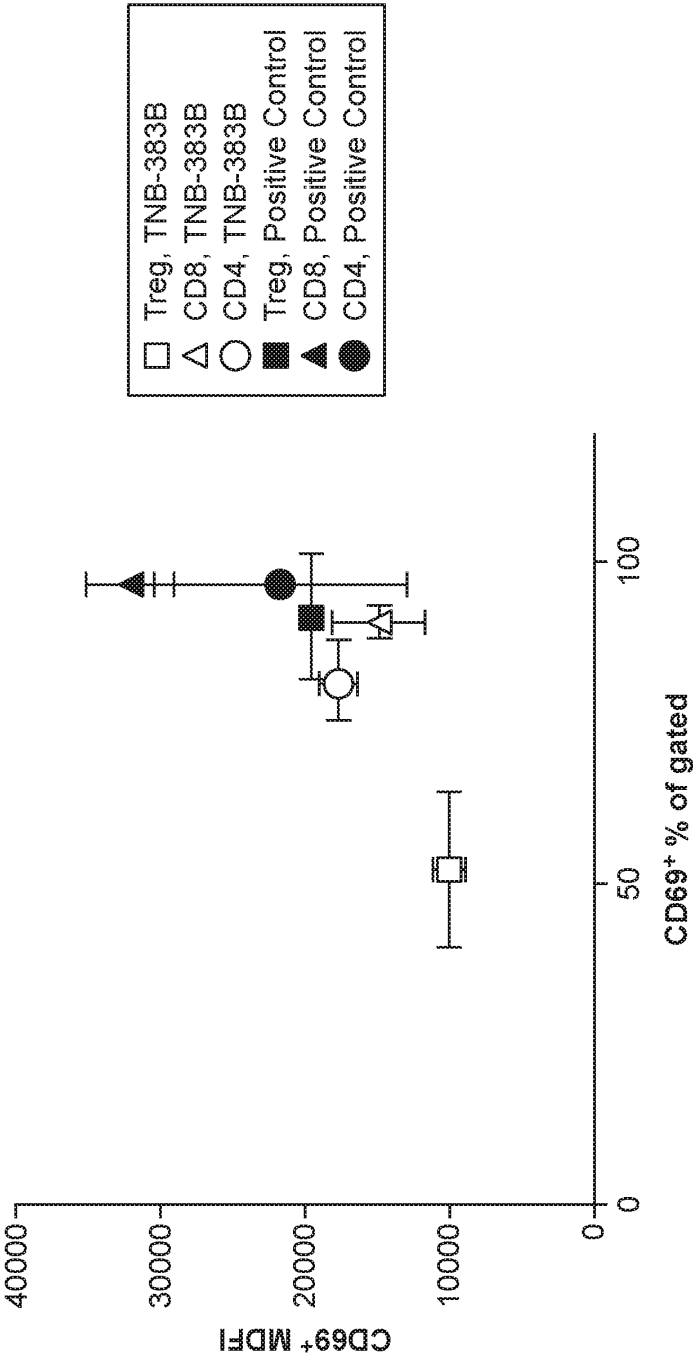


FIG. 4

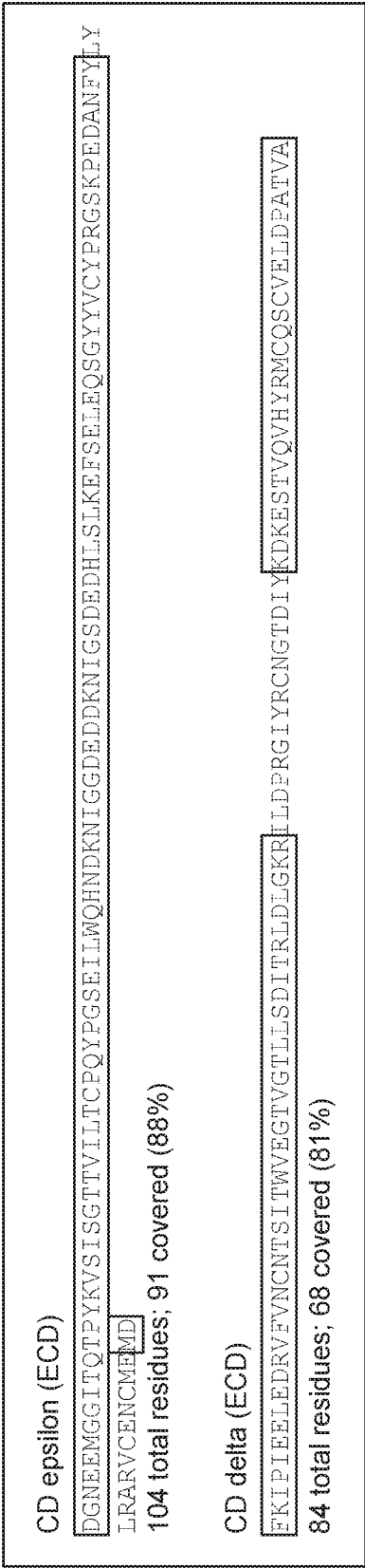


FIG. 5

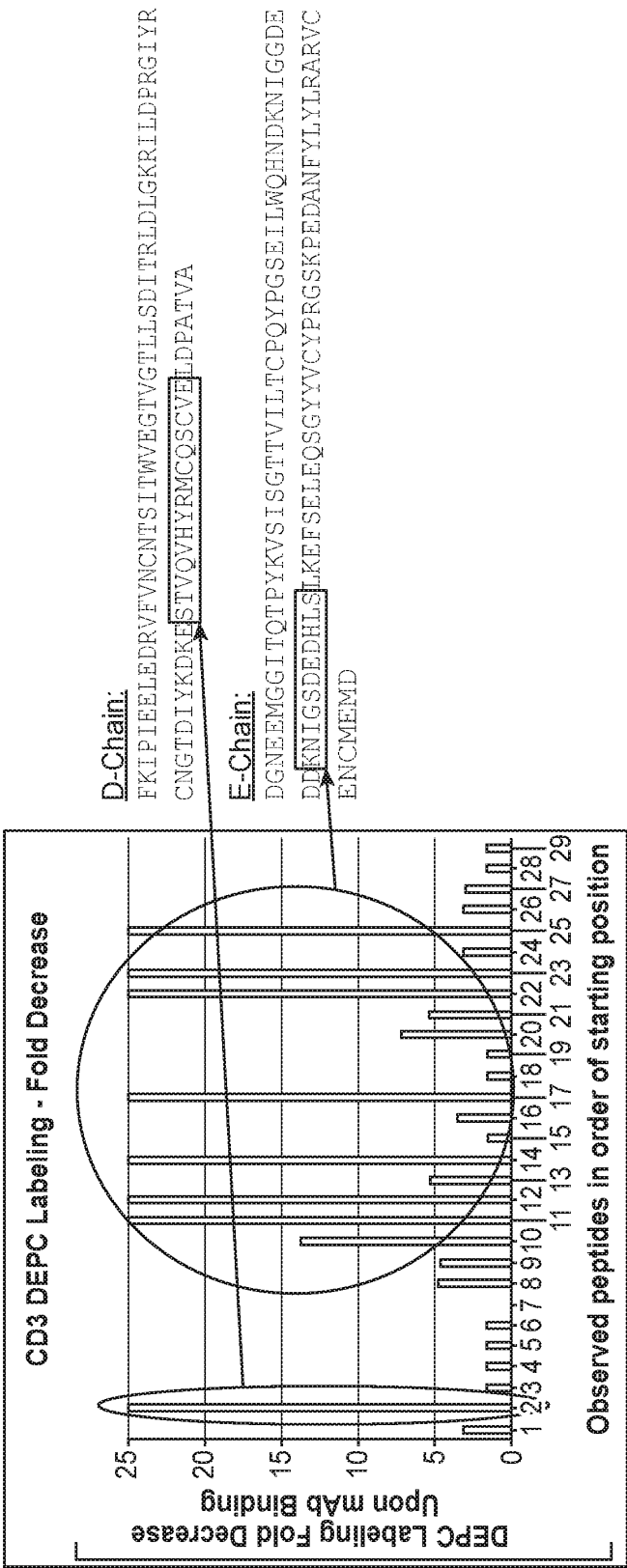


FIG. 6

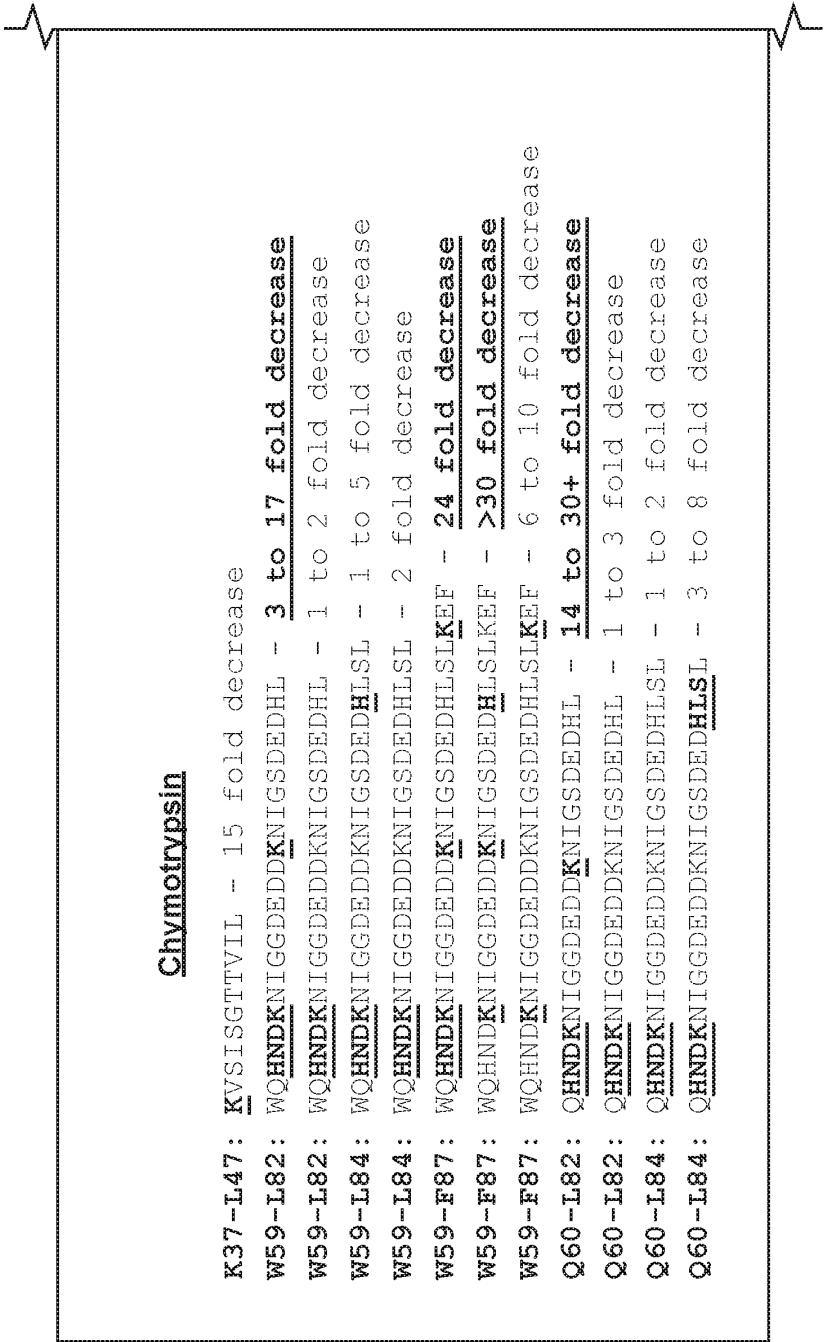


FIG. 7

<u>Glu-C</u>	
I57-E79:	ILWQHNDK <u>KNIGDEDD</u> <u>KNIGSDE</u> - <u>>30 fold decrease</u>
I57-E79:	ILWQHNDK <u>KNIGDEDD</u> <u>KNIGSDE</u> - 4 to 13 fold decrease
I57-E86:	ILWQHNDK <u>KNIGDEDD</u> <u>KNIGSDEDHLSLKE</u> - <u>>30 fold decrease</u>
I57-E86:	ILWQHNDK <u>KNIGDEDD</u> <u>KNIGSDEDHLSLKE</u> - 1 to 7 fold decrease
I57-E86:	ILWQHNDK <u>KNIGDEDD</u> <u>KNIGSDEDHLSLKE</u> - 1.5 fold decrease
D80-E86:	DHLSLKE - 3 fold decrease
D80-E86:	DHLSLKE - <u>>30 fold decrease</u>
<u>Trypsin</u>	
K37-K64:	<u>K</u> VSISGTTVILTCPQYPGSEILWQHNDK - 1 to 2 fold decrease
N65-K85:	NIGGDEDDKNIGSDEDHLSLK - 2 to 3 fold decrease
N65-Y95:	NIGGDEDDKNIGSDEDHLSLKE <u>FS</u> ELEQSGY - 1 to 2 fold decrease
D23-K37:	DGNEEMGGITQTPYK - 2 to 30+ fold decrease

FIG. 7 (Cont.)

Trypsin	FKIP ¹ EELEDRVFN ² NC ³ TSITWVEGTVG ⁴ TLLSDITRLDLGKRILDPRGIYRCNGTDIYKDK ⁵ ESTVQVHY ⁶ ERM ⁷ CQSCVELDPATVA
Chymotrypsin	FKIP ¹ EELEDRVFN ² NC ³ TSITWVEGTVG ⁴ TLLSDITRLDLGKRILDPRGIYRCNGTDIYKDK ⁵ ESTVQVHY ⁶ ERM ⁷ CQSCVELDPATVA
Glu-C	FKIP ¹ EELEDRVFN ² NC ³ TSITWVEGTVG ⁴ TLLSDITRLDLGKRILDPRGIYRCNGTDIYKDK ⁵ ESTVQVHY ⁶ ERM ⁷ CQSCVELDPATVA

FIG. 8

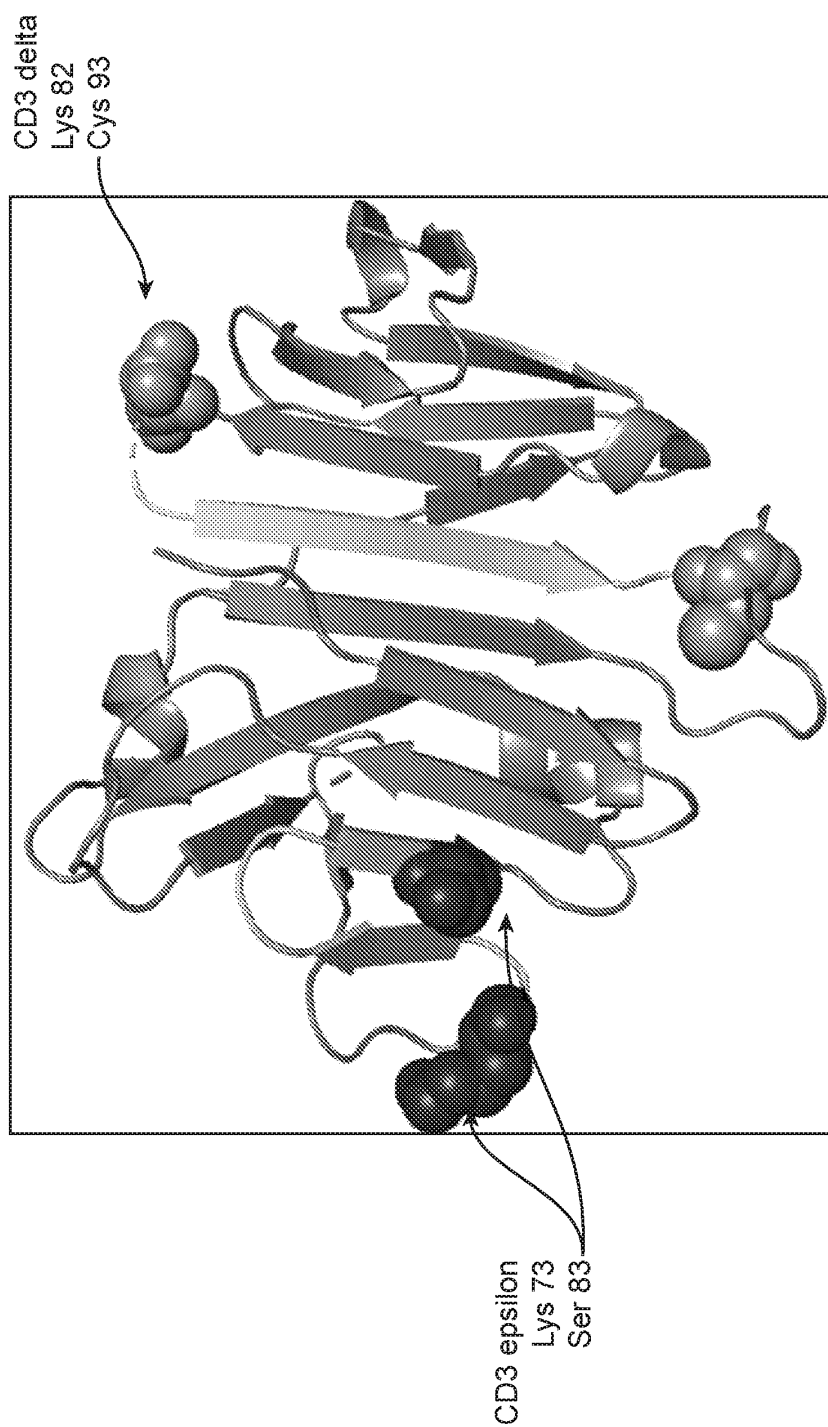


FIG. 9

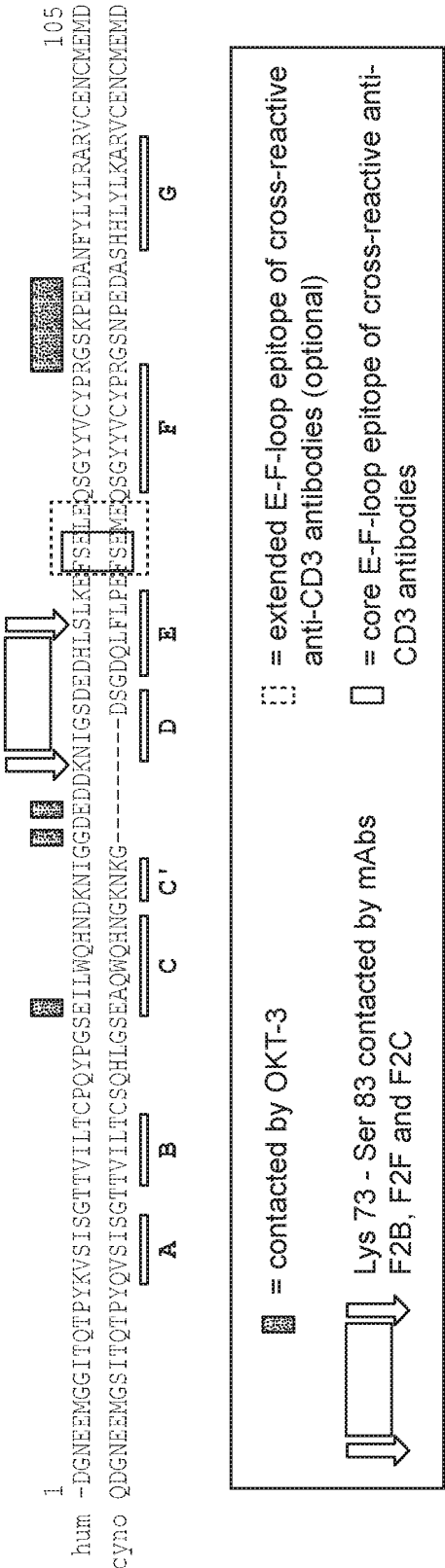


FIG. 10