

Effect of Fc on T cell expansion with CSTX-2 feeder cells



FIG. 1

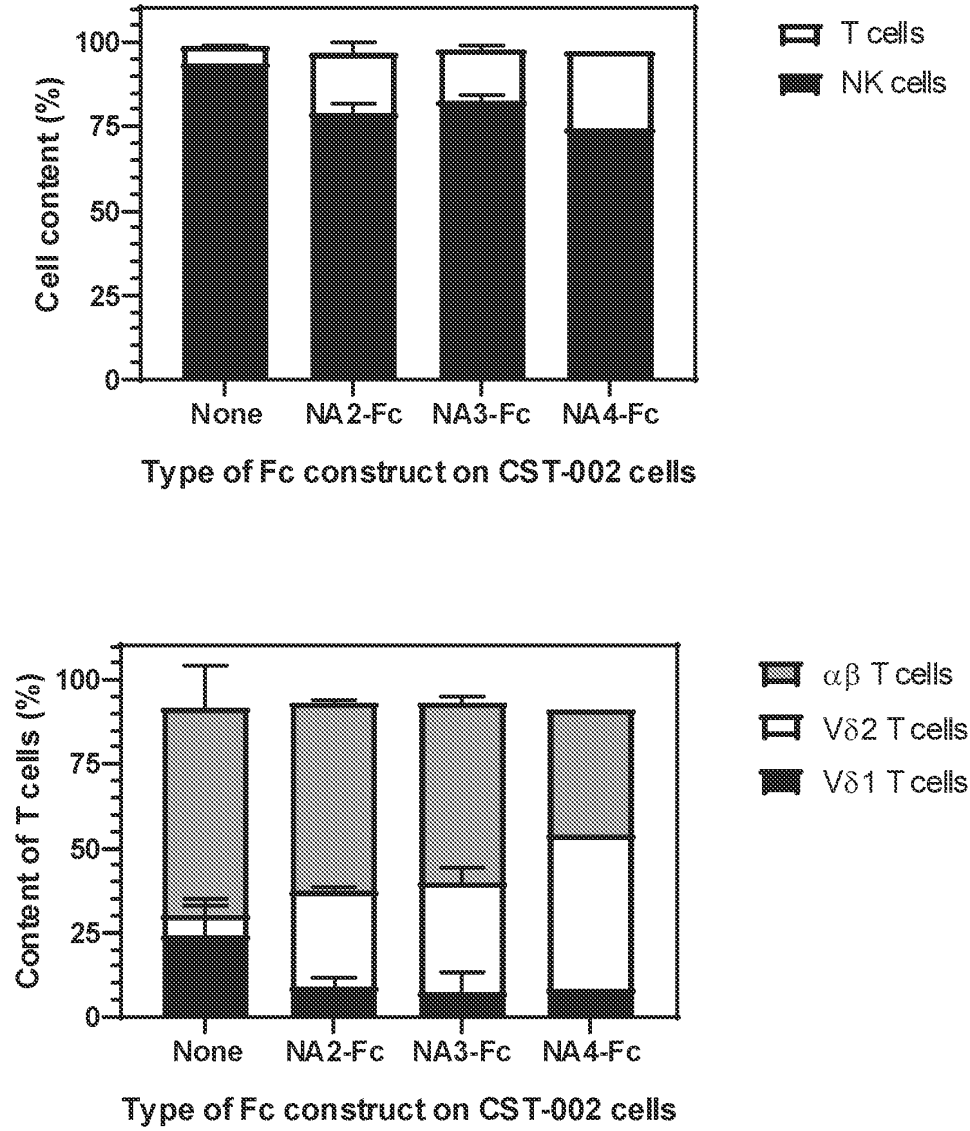


FIG. 2

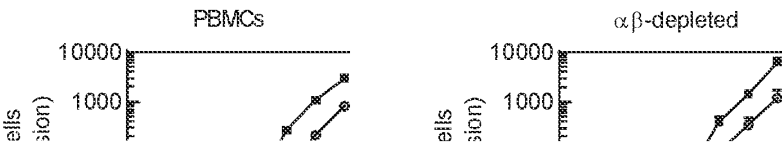


FIG. 3

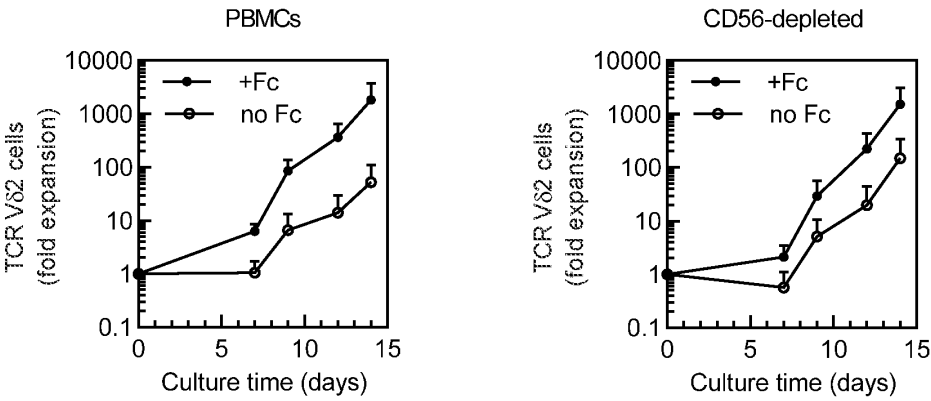


FIG. 4

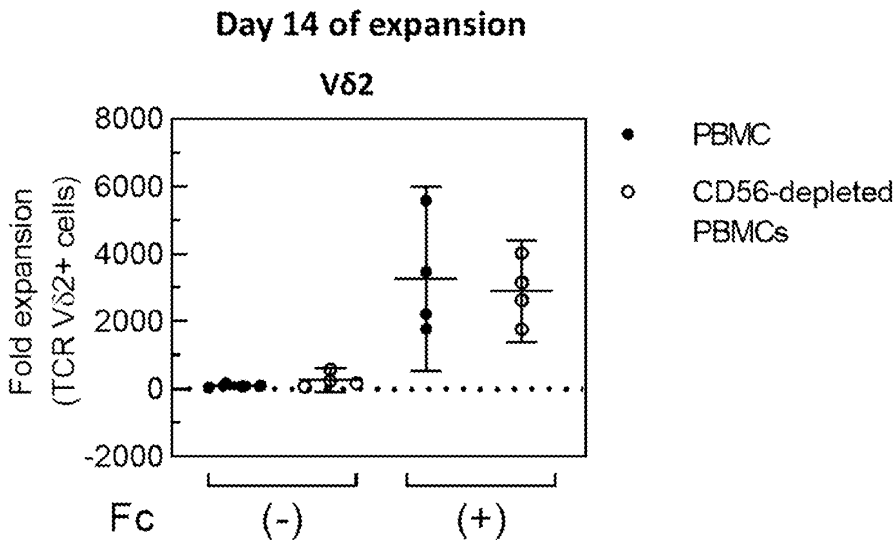


FIG. 5

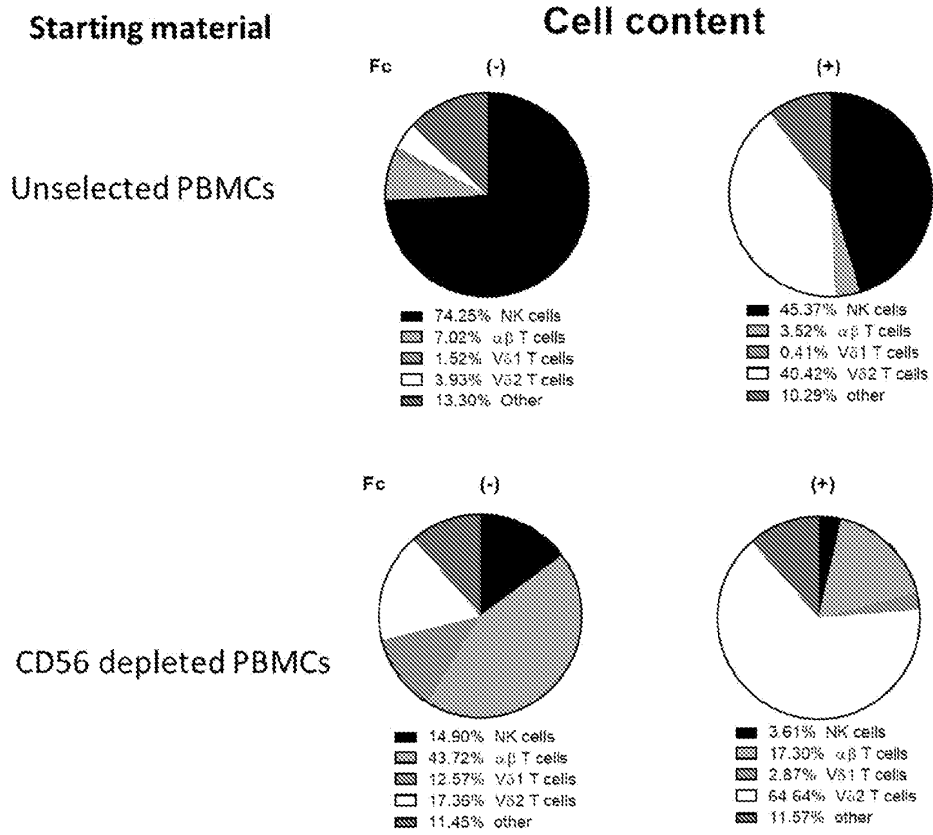


FIG. 6

FIG. 7A.

Type I Integral Membrane Protein
Cleaved signal sequence
Separate C-terminal Anchor
Most common type
N-out, C-in topology

Type II Integral Membrane Protein
Uncleaved signal sequence which also
functions as anchor in membrane
Uncommon type of protein
N-in, C-out topology

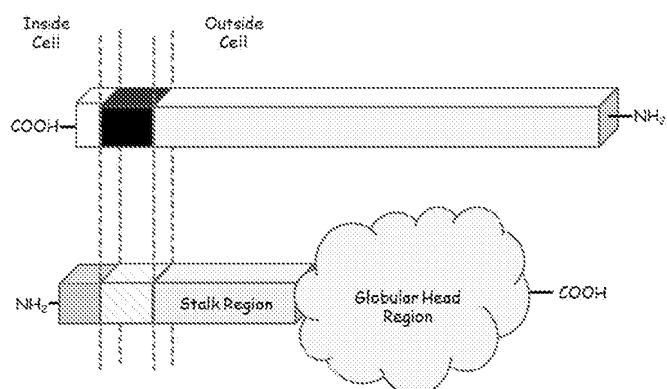
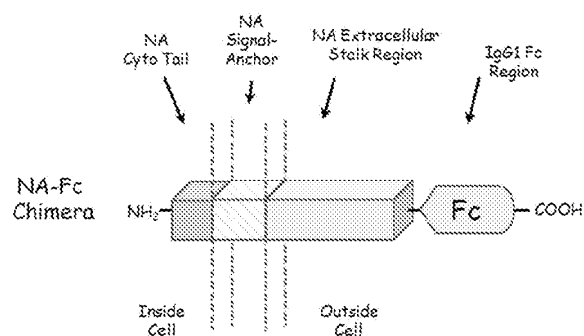


FIG. 7B.



FIGS. 7A-7B

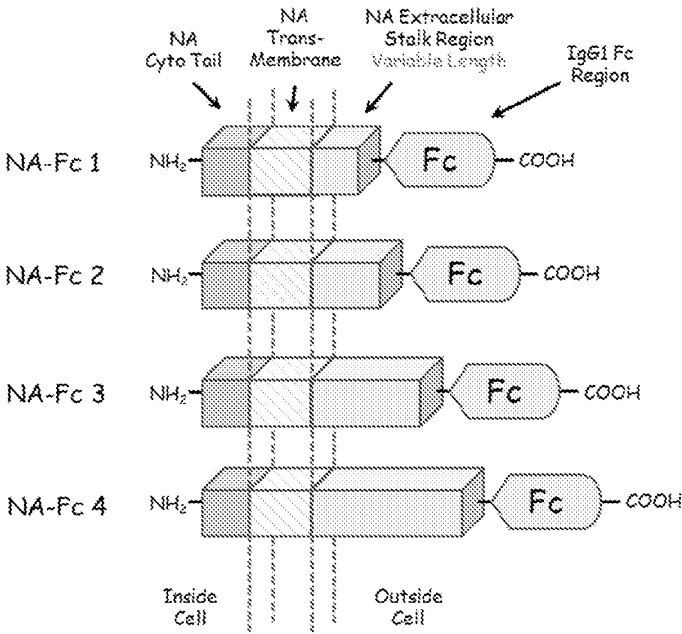


FIG. 8

NA1 AA	MNPNQKITTIGSICLVVGLISLILQIGNIISIWISHSIQTGSONHTGICN	50
Linker: RS	RSDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSH	100
Fc Protein starts at "D"	EDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKE	150
	YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCL	200
	VKGFIYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQ	250
	QGNVFSCSVMHEALHNHYTQKSLSLSPGK	
Total length= 279		

FIG. 9

Original Fc sequence aligned with NA1-Fc recombinant clone
(clone 1)

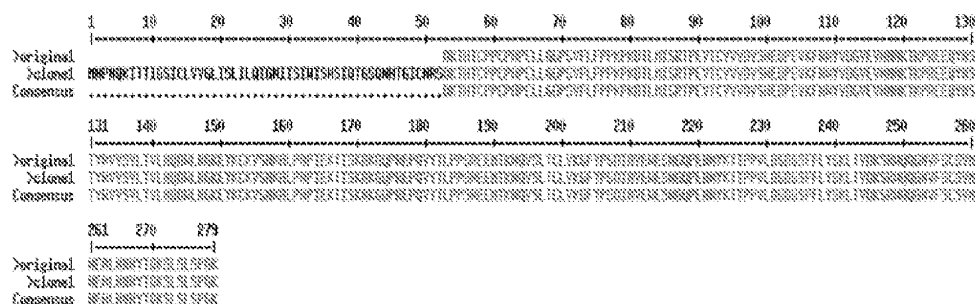


FIG. 10A

NA1-Fc sequence

[illegible]

Green box restriction enzyme

Red font: NA1 region (150 nucleotides/ 50 amino acids)

Sample font: EC region

FIG. 10B

Original Fc sequence aligned with NA2-Fc recombinant clone
(clone 2)

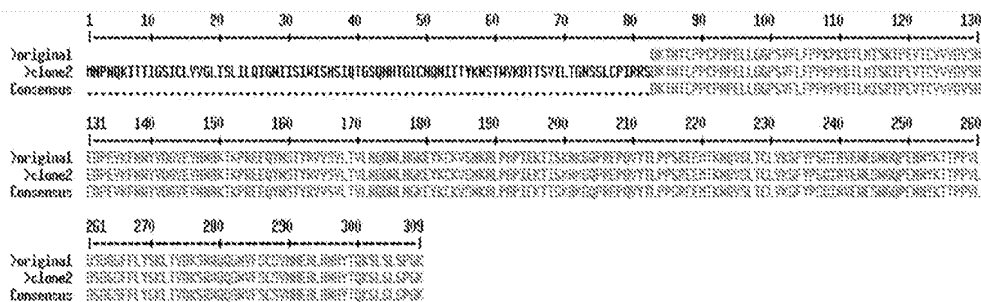


FIG. 11A

NA2-Fc sequence

[illegible]

Green box: restriction enzyme

Red font: NA2 region (240 nucleotides/ 80 amino acids)

Purple font: Fc region

FIG. 11B

Original Fc sequence aligned with NA3-Fc recombinant clone
(clone 3)

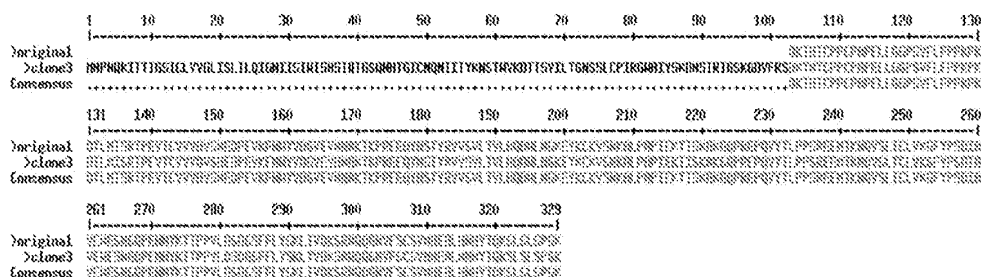


FIG. 12A

NA3-Fc sequence

GAATTCACGCGGGTTTAAATGTAATCCAAATGCAAAATACACCATTCGTAATCAATGCTCTGGTATGAGCAATTAACCTTAATATGCAAAATGGGAATATTAATTAATGTAATACCTTCAATCAACATCAAGCTGGGAAGTCAAACAACTATCTGGAATATGCAAAATACCAATATTCATCAAGTAATAATGTAACCTTGGTAAACGACATCACTCACTGAGTATATACACCGGCACTATCTCTTCTTGTCGCTGCTGGTGGGTCATGACCAAAACATATGACATATGAATATGTTCTTCACCAAGGACAGCACTTTT^{AG}ATCTCAACAGATGACACATACATGCCACCTCCCTCCAGCAGCTGGAATCTCTGGGGGAGCACTGCACTCTCTCTCTCCCTCCCAAAACCAACCCAGAGACACCTCATATATCTCCGAGCCCCCTAGAGTGCATACATCGCTGGTGTGGTGGAGCTGGAGCCAGACCCCTGAGGTCAATGCAATGCTGATGGAAGCGCTGGAGGCTGCATATGCTCCCAAGACAAAGCCGCGGAGAGGATACACAGGACATACCCTGCTGGTGGTCAAGGCTCTCACTGGTCTCTGCAACGAGGAGCTGGCTGTGAATGSCAAGGAGTACAAATGTSCAAGGATCTCCACAAAGGCAAGGCTCCAGCCCTCAAGCTCCCTCAAGAGAAACATCTCCAAAGCCAAAGGGCAGCTCCCGAGGAATGAGAGGTTACATACCTCTGCCCCATCTCCCGGGAGGATATGACCAAAAGCCAGGTCAGGCTGAGCTGCTGGTGAATCAAGGCTCTTATCTATCTCAAGAGCTCGAGCATCTGGTGGAGGTGGAGGACAAATGAGCCAGAGAACATCAAGATACAGACGCTCCGCTGGTGGATCTGACAGGCTCTCTTCTTCTCTACAGCAAGCTCATCTCTGGGACATGAGGAGAGGCTGGCAGCAGGAGCAAGCTCTCTCTCATGTCTCTGGTACAGAGGCTCTCTGCAAAACCATCAAGCAGAGAGGCTCTCTCTGTCCTGGTAATGAGGCTGCTAGTGG

Green box: restriction enzyme.

Red box: NA3 region (300 nucleotides/ 100 amino acids)

Purple font: Fc region

FIG. 12B

Original Fc sequence aligned with NA4-Fc recombinant clone
(clone 4)

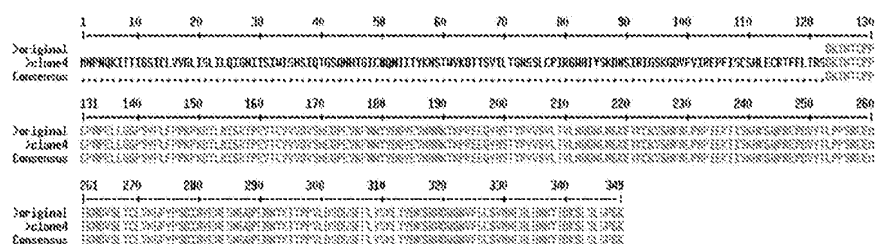


FIG. 13A

NA4-Fc sequence

[illegible]

Green box: restriction enzyme

Red font: NA4 region

Purple font: Ec region

FIG. 13B