

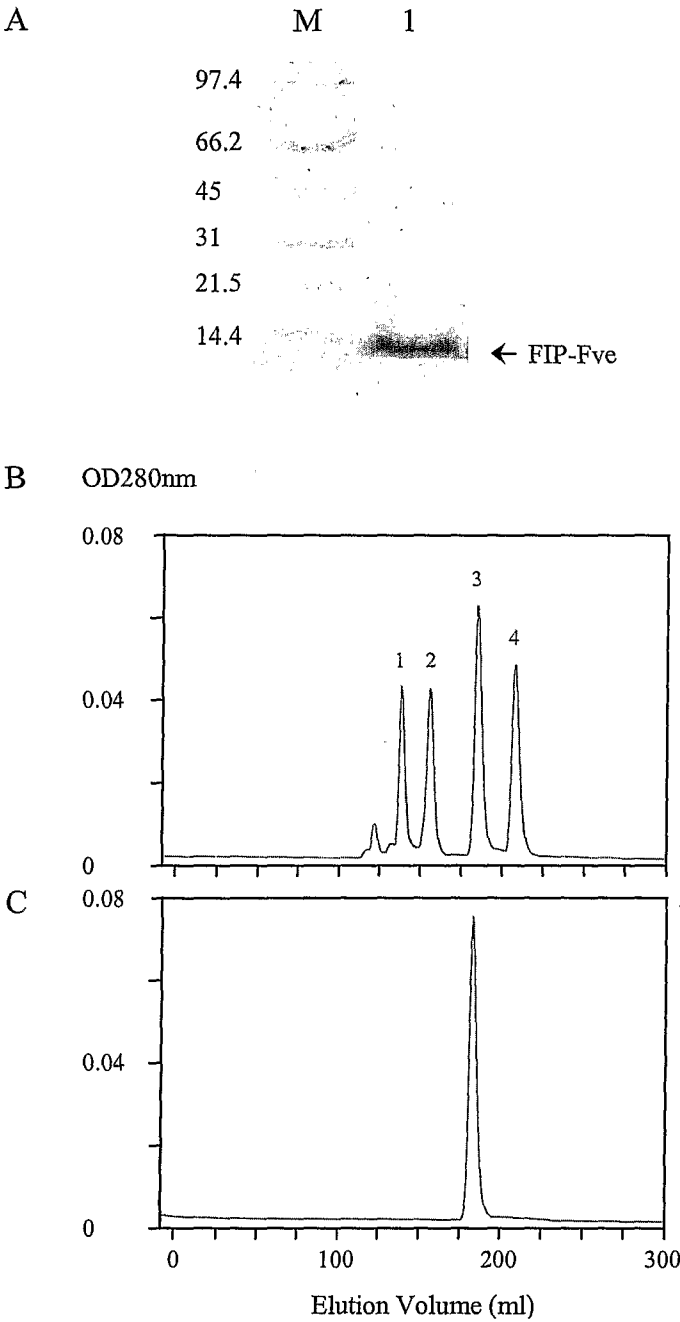


FIGURE 1

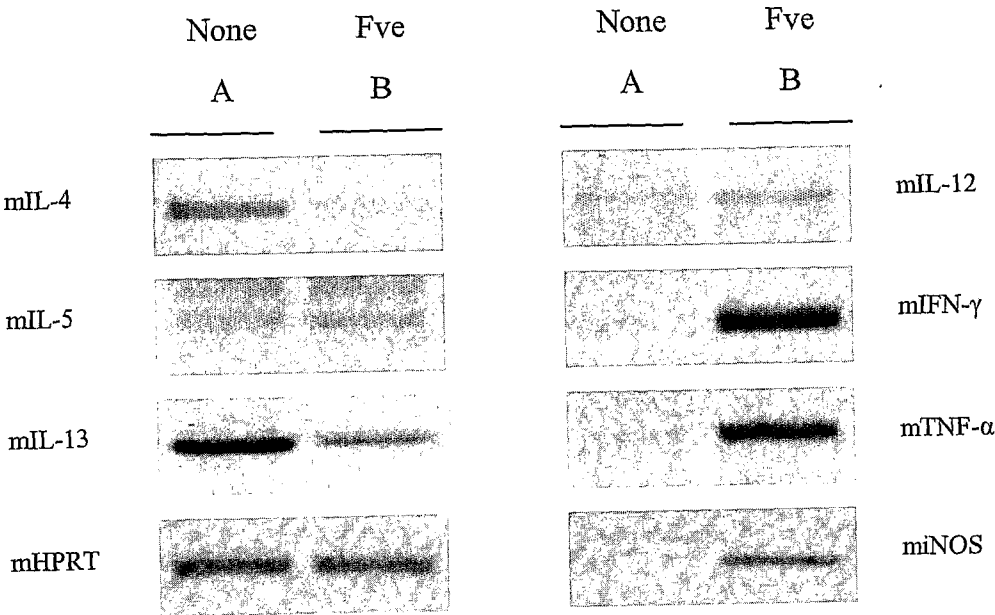


FIGURE 2

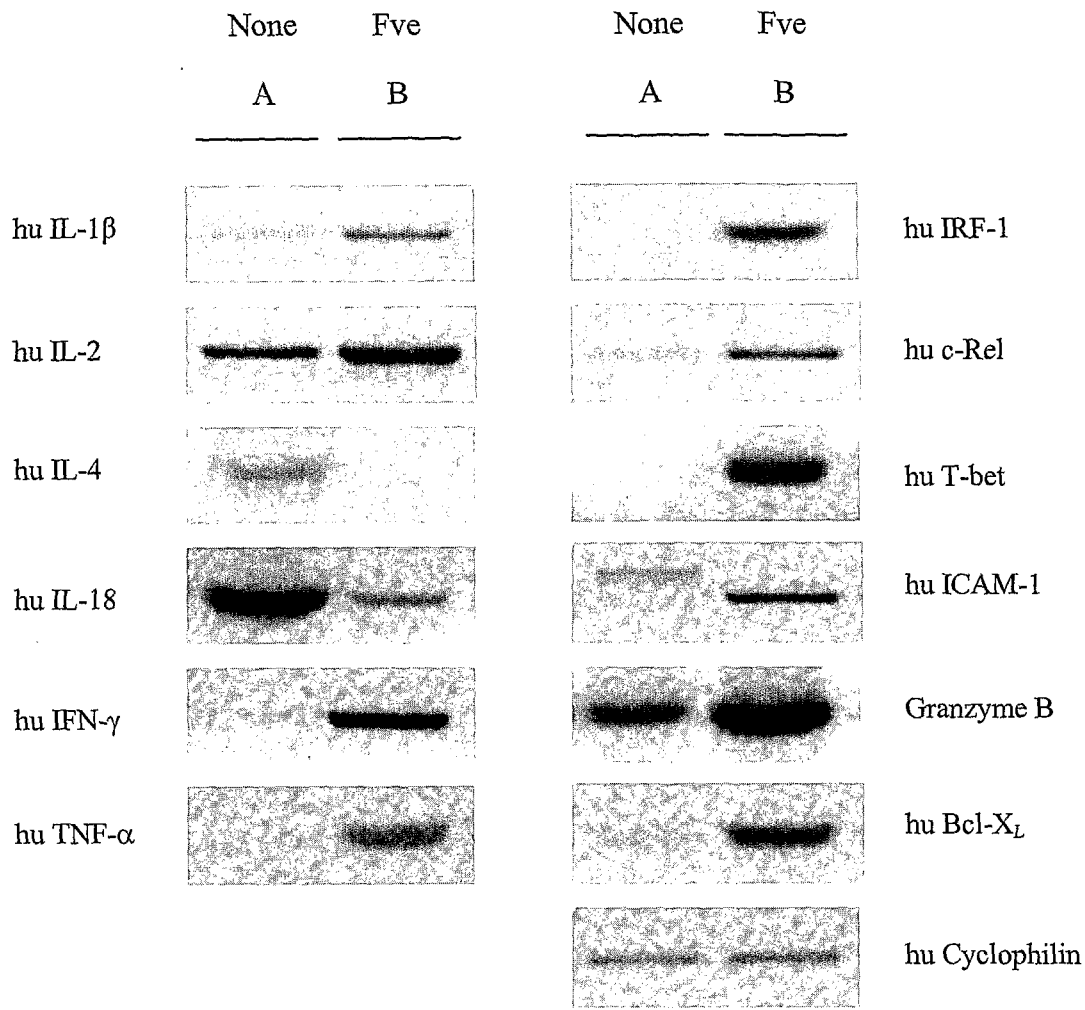
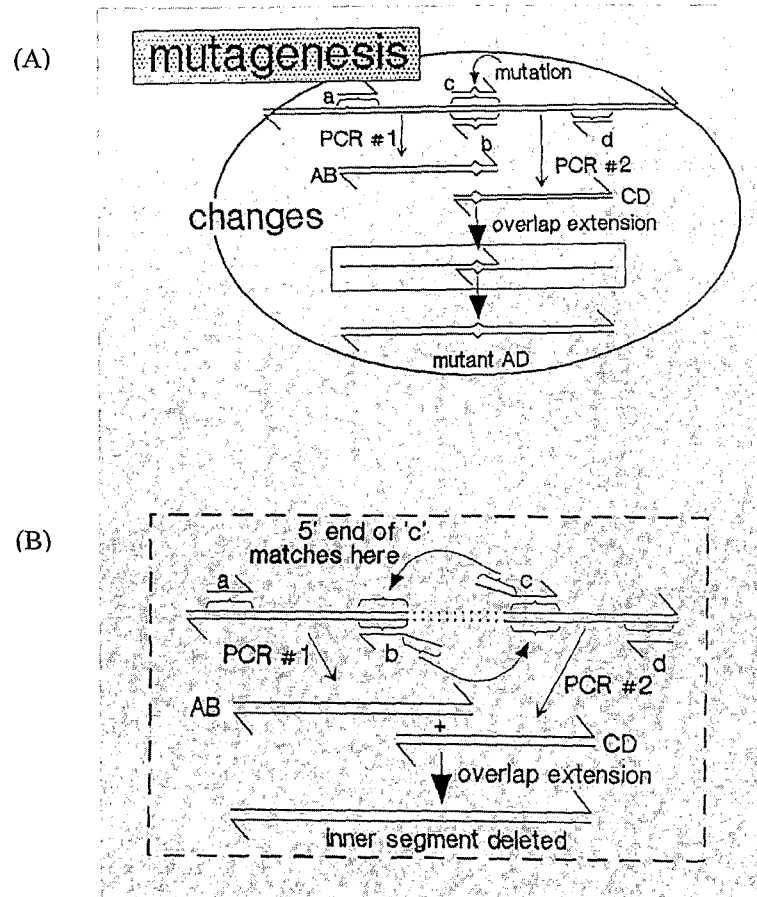
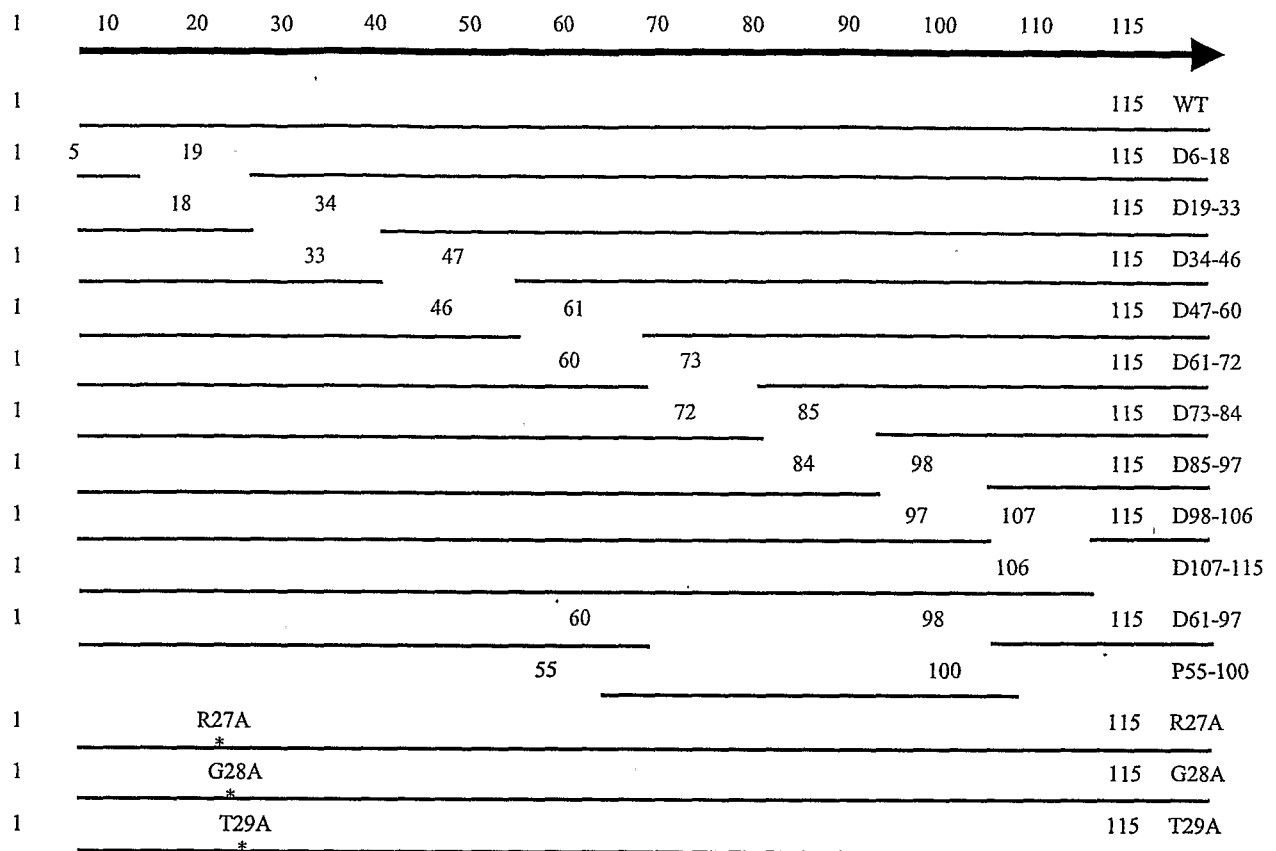


FIGURE 3

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**FIGURE 4**

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**FIGURE 5**

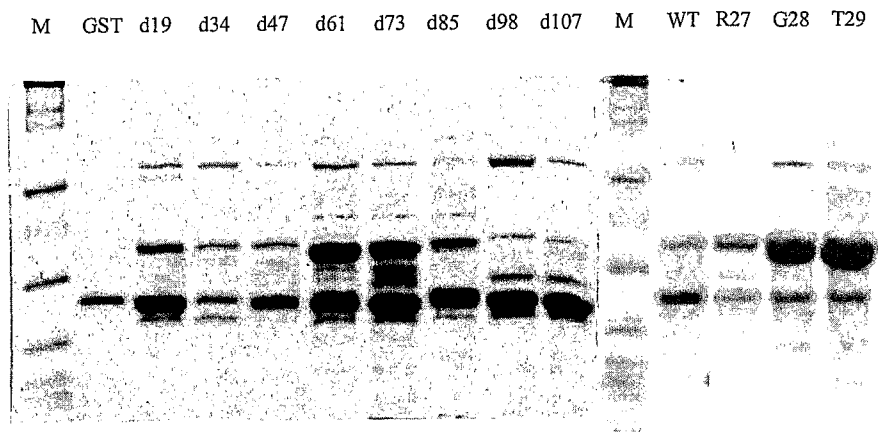
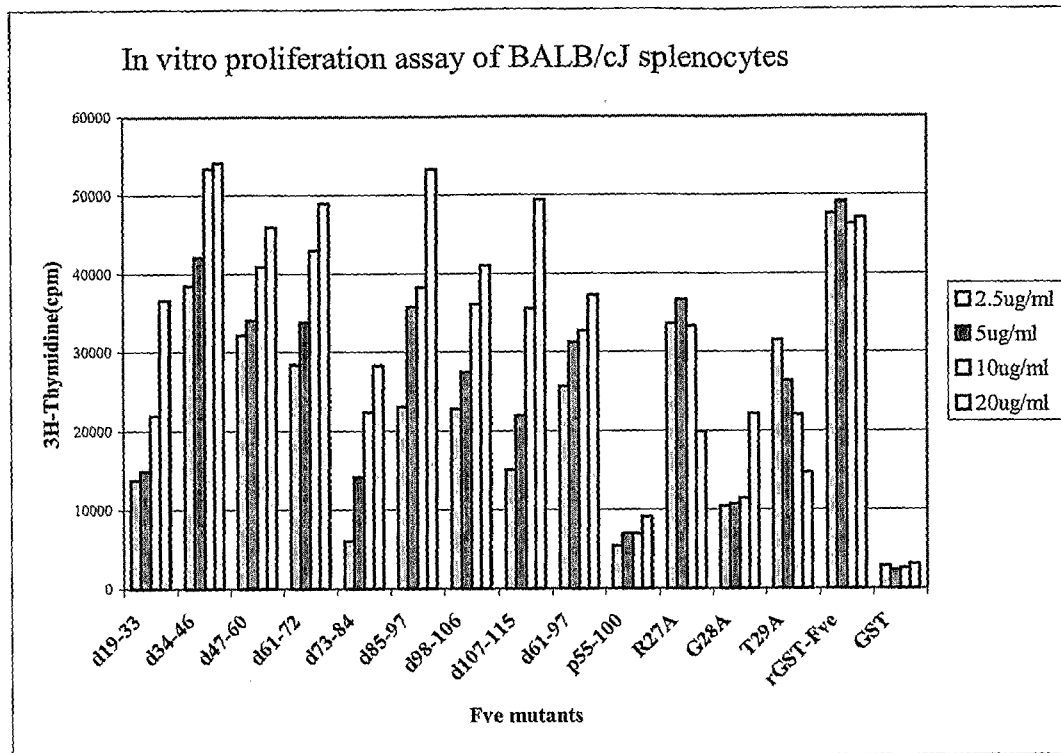


FIGURE 6

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**FIGURE 7**

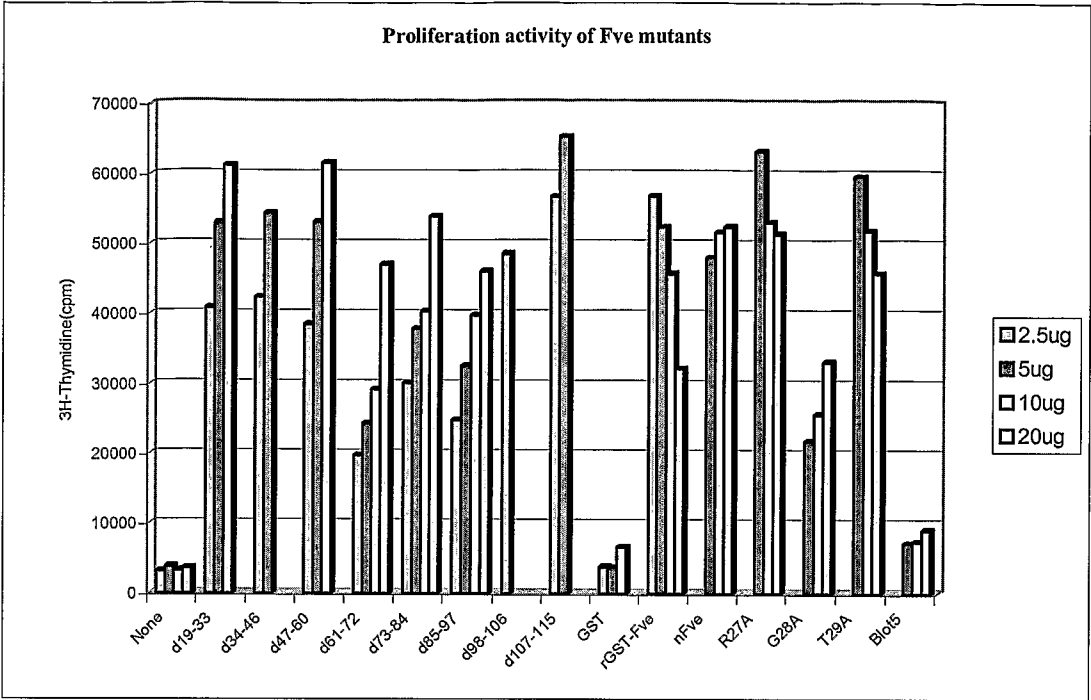
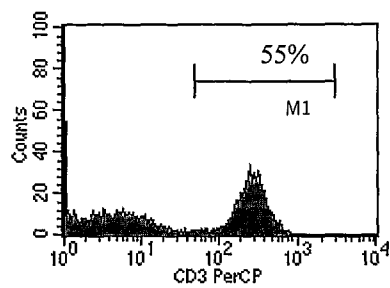


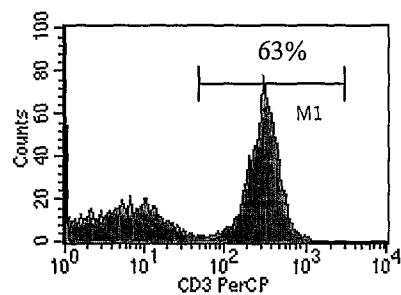
FIGURE 8

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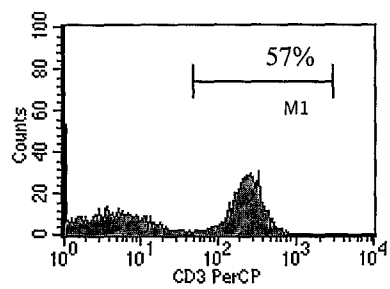
(A).



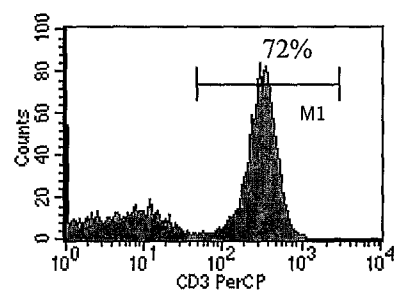
(C).



(B).

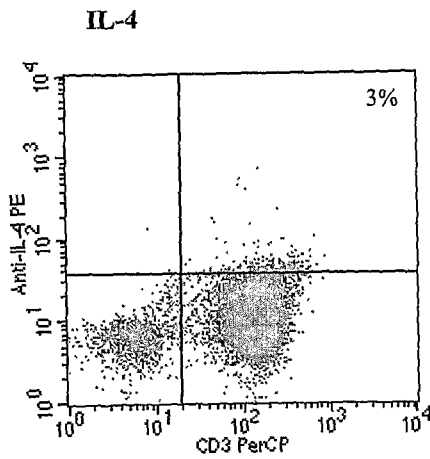


(D).

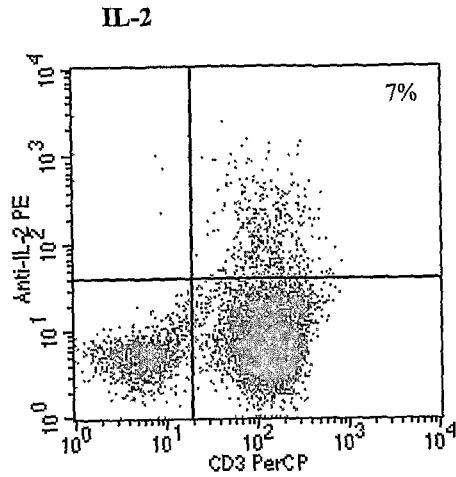
**FIGURE 9**

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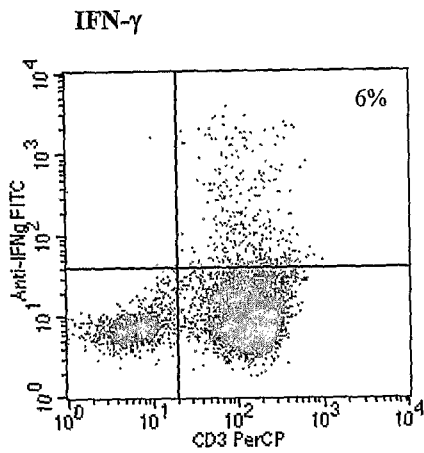
(A).



(B).



(C).



(D).

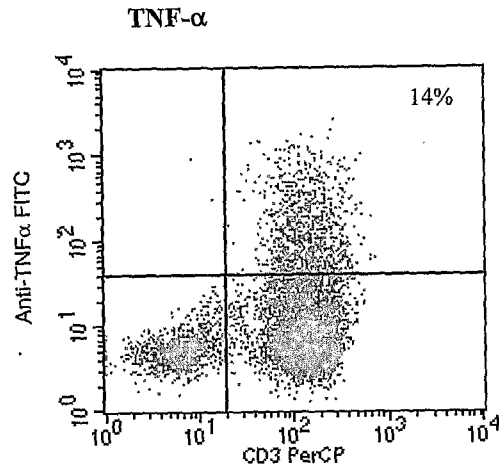
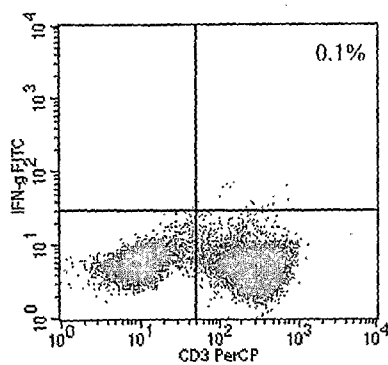


FIGURE 10

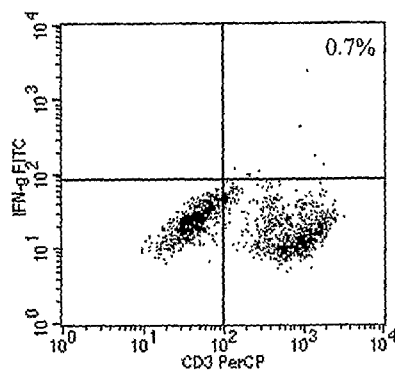
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IFN- γ production at day 3

(1a).



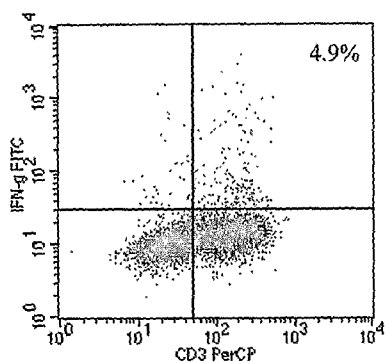
(1b).



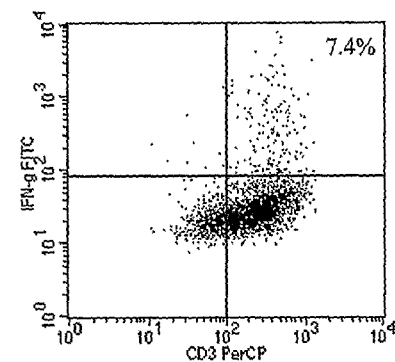
GST

0.8%

(2a).



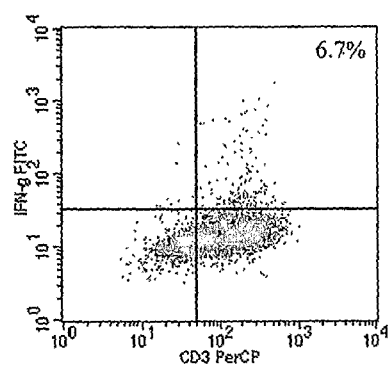
(2b).



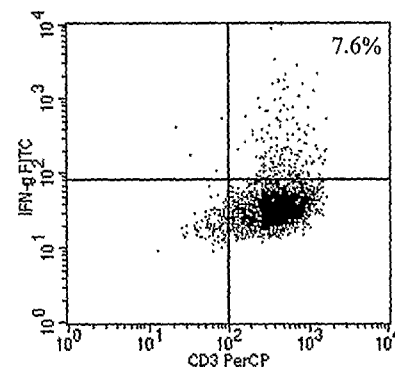
GST-FveWT

12.3%

(3a).



(3b).



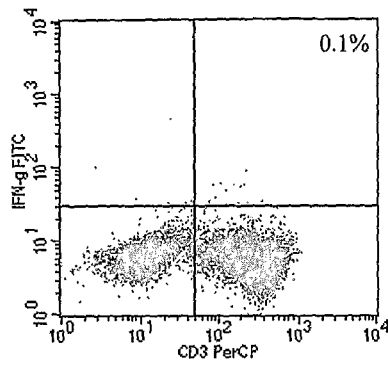
GST-FveR27A

14.3%

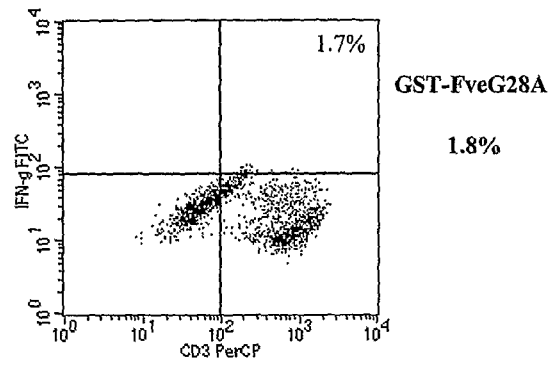
FIGURE 11

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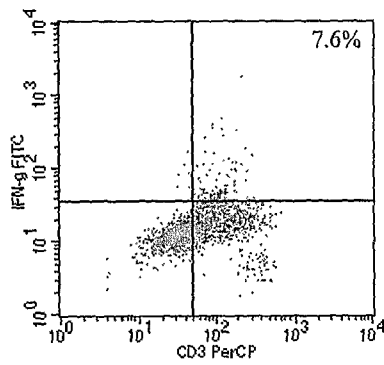
(4a).



(4b).



(5a).



(5b).

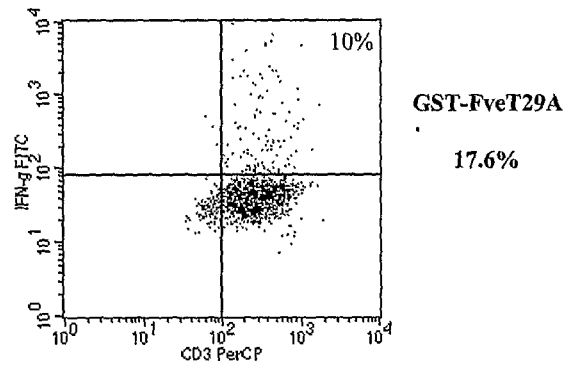
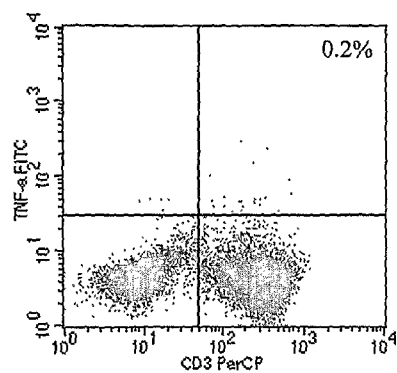


FIGURE 11 (CONTINUED)

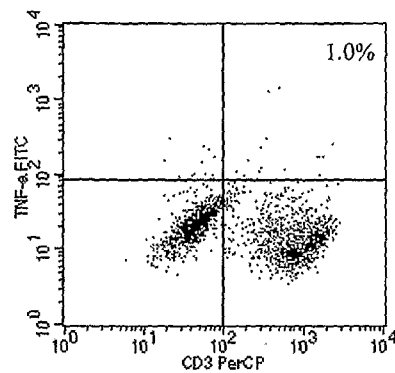
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TNF- α production at day 3

(1a).



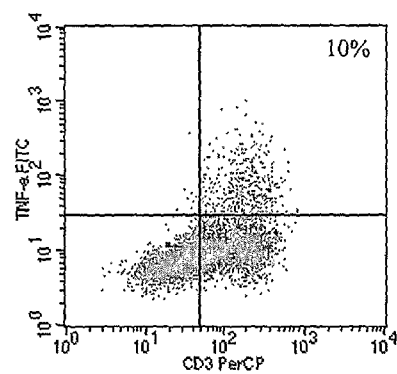
(1b).



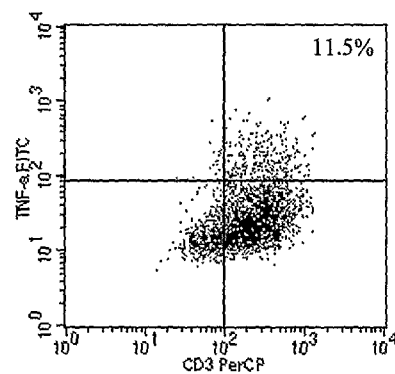
GST

1.2%

(2a).



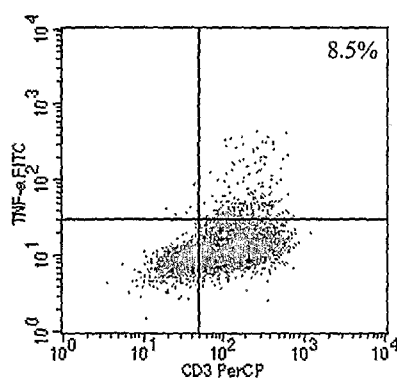
(2b).



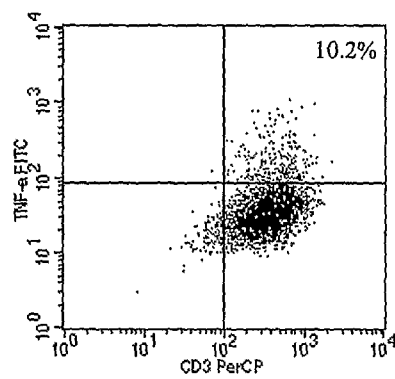
GST-FveWT

21.5%

(3a).



(3b).



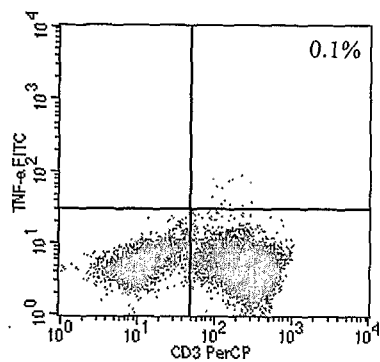
GST-FveR27A

18.7%

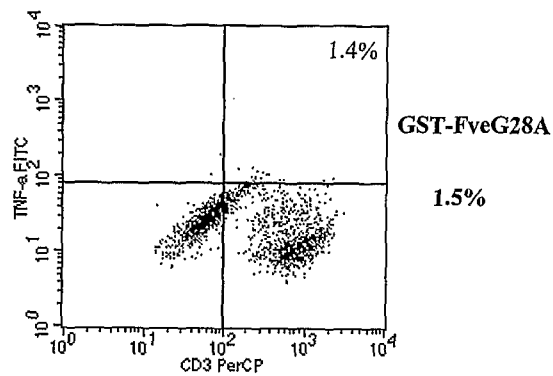
FIGURE 12

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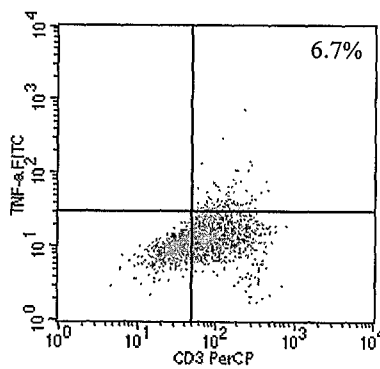
(4a).



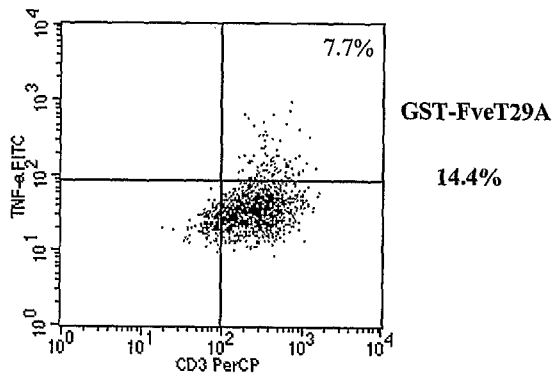
(4b).



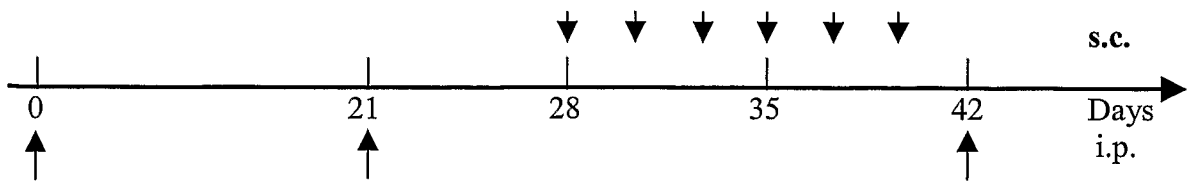
(5a).



(5b).

**FIGURE 12 (CONTINUED)**

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(group A)

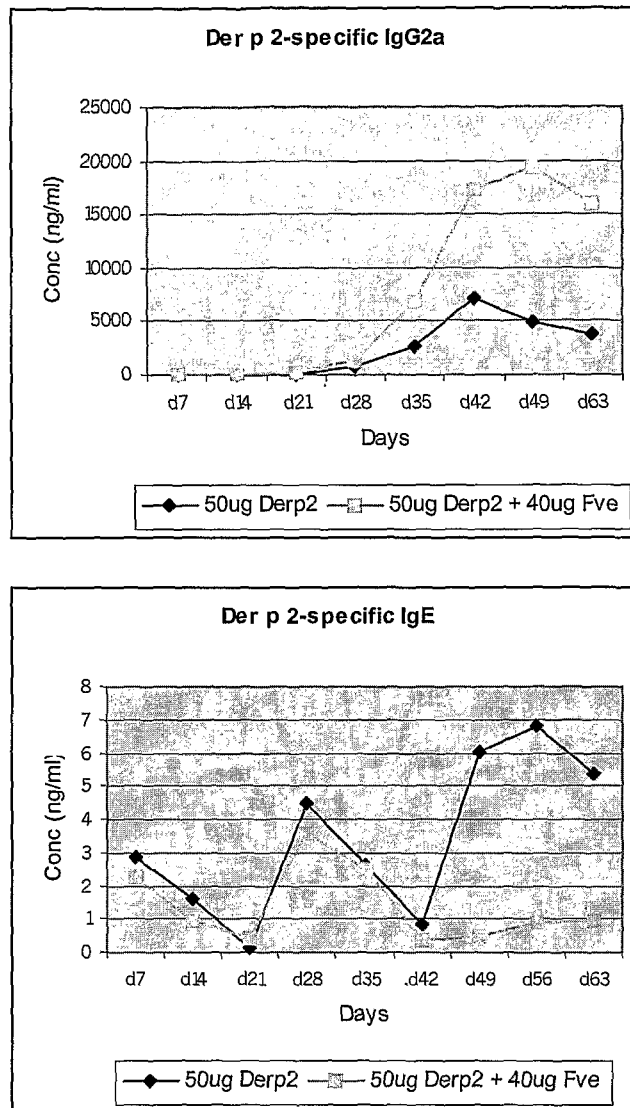
ip(10ug of Derp2+Alum) ip(10ug of Derp2+Alum) sc(50ug of Derp2 alone)
6 injections over 12 days ip(10ug of Derp2+Alum)

(group B)

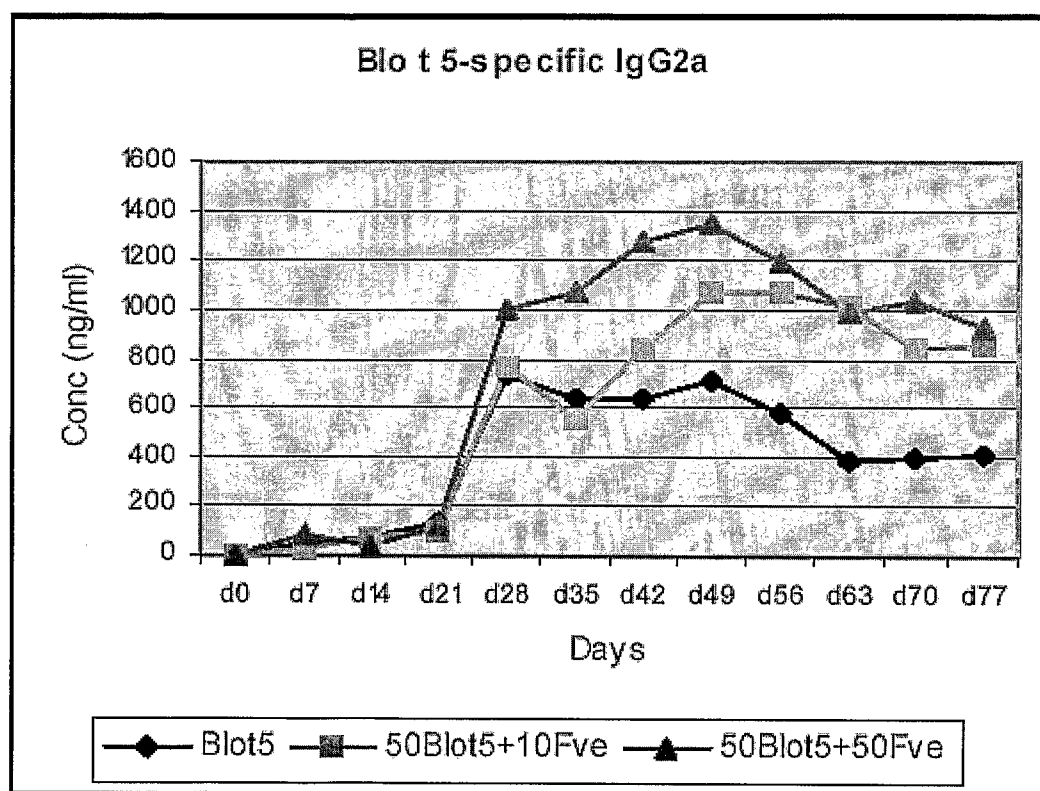
ip(10ug of Derp2+Alum) ip(10ug of Derp2+Alum) sc(50ug of Derp2+40ug of Fve)
6 injections over 12 days ip(10ug of Derp2+Alum)

FIGURE 13

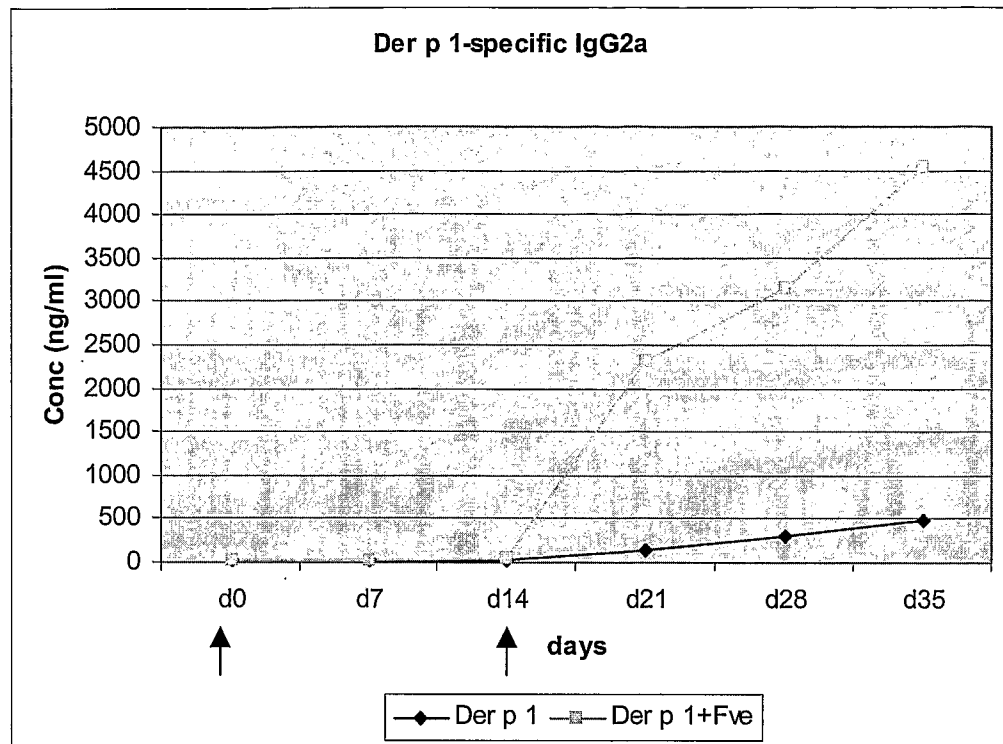
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**FIGURE 14**

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FIGURE 14B

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**FIGURE 14C**

Mice received subcutaneous injection of a mixture of 10 ug of major mite allergen Der p 1 and 10 ug of Fve at days 0 and 14. Results showed that Der p1+ Fve induced higher Der p 1-specific IgG2a (pink) than Der p 1 alone (Blue).

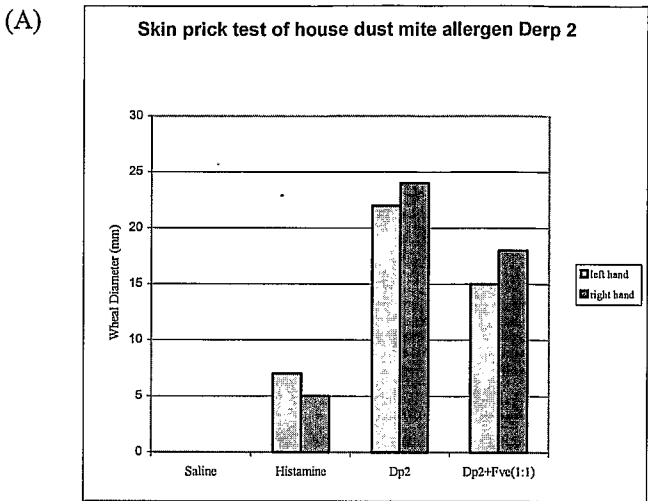


FIGURE 15A

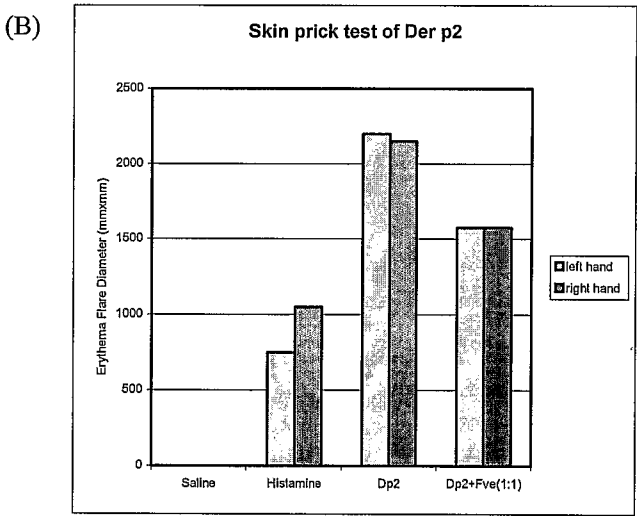
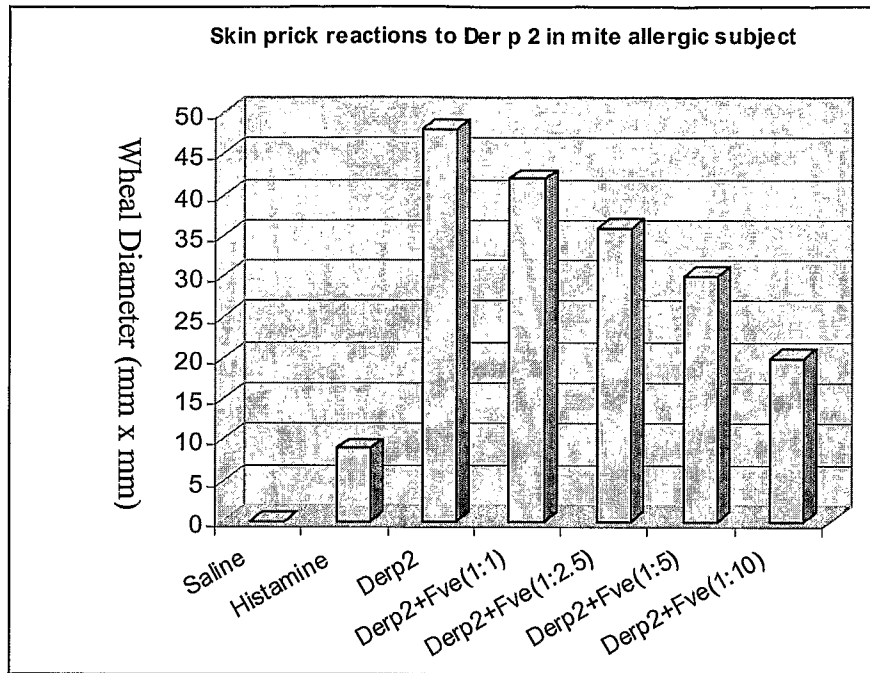


FIGURE 15B

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FIGURE 15C

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Blo t 5		Fve	Bt5-Fve
Blo t 5		FveR27A	Bt5-FveR27A
Blo t 5		FveT29A	Bt5-FveT29A
Der p 2		FveR27A	Dp2-FveR27A
Der p 2		FveT29A	Dp2-FveT29A
Blo t 5	Der p 2	FveR27A	Bt5-Dp2-FveR27A
Blo t 5	Der p 2	FveT29A	Bt5-Dp2-FveT29A

FIGURE 16

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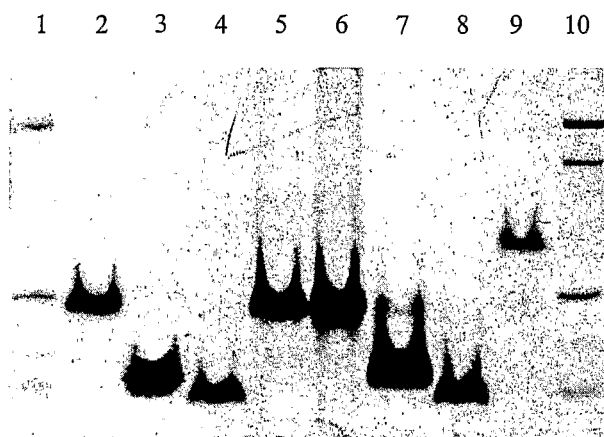
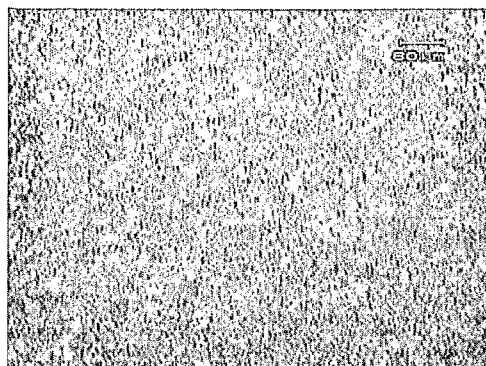


FIGURE 17

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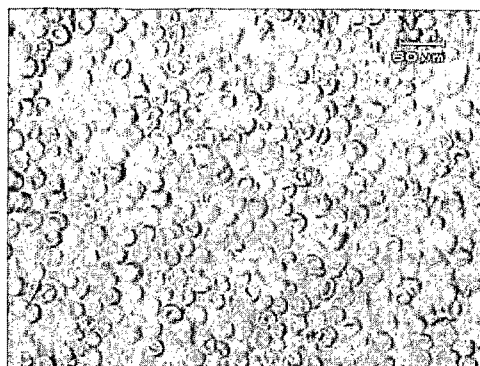
(1a)

Control: Non-stimulated (10x10 magnification)



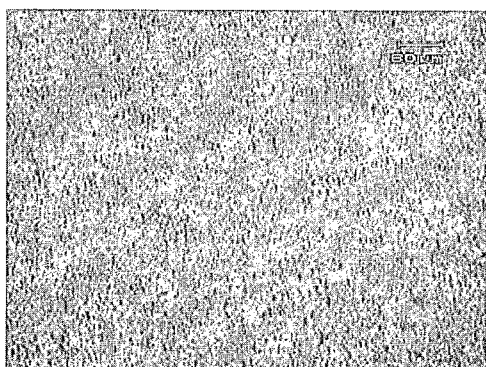
(1b)

Control : Non-stimulated (40x10 magnification)



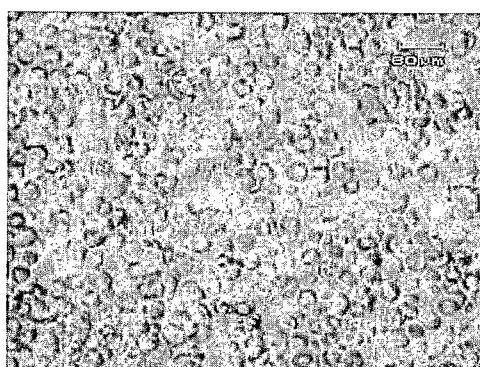
(2a)

20ug of GST 10x10



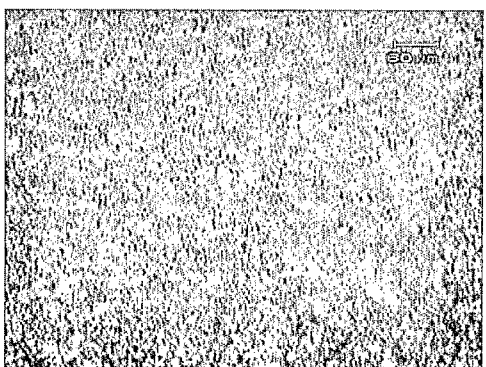
(2b)

20ug of GST 40x10



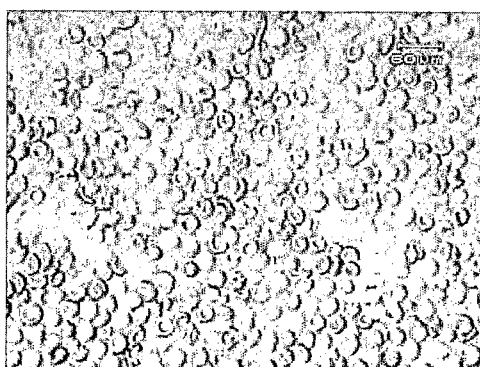
(3a)

20ug of Blo t 5 10x10



(3b)

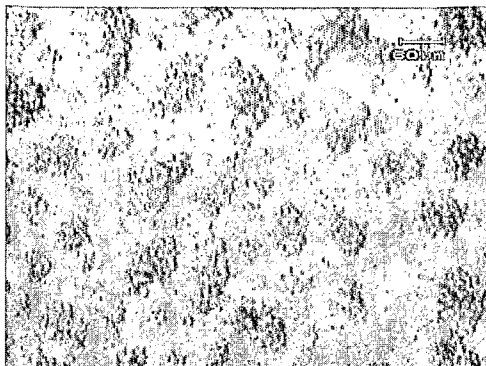
20ug of Blo t 5 40x10

**FIGURE 18**

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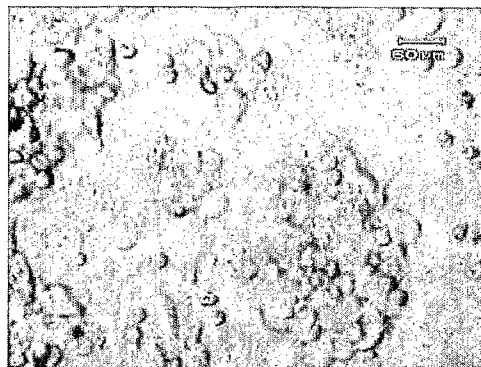
(4a)

20ug of native FIP-Fve 10x10



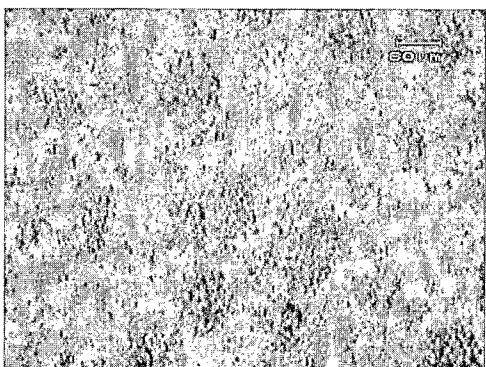
(4b)

20ug of native FIP-Fve 40x10



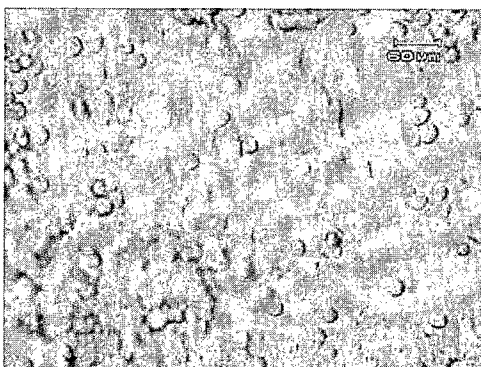
(5a)

20ug of Bt5-Fve 10x10



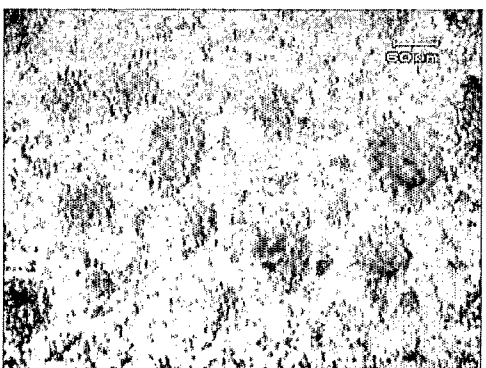
(5b)

20ug of Bt5-Fve 40x10



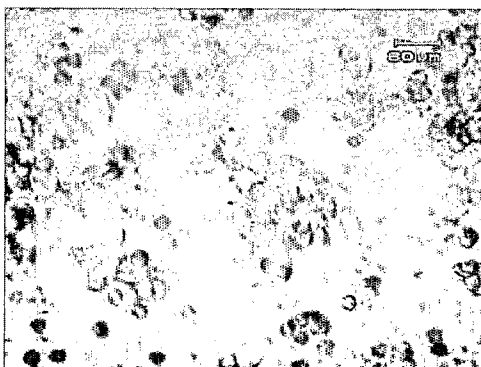
(6a)

40ug of Bt5-Fve 10x10



(6b)

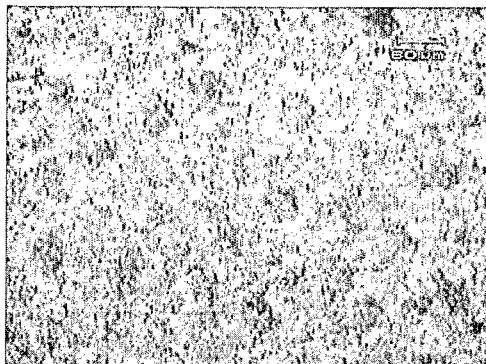
40ug of Bt5-Fve 40x10

**FIGURE 18 (CONTINUED)**

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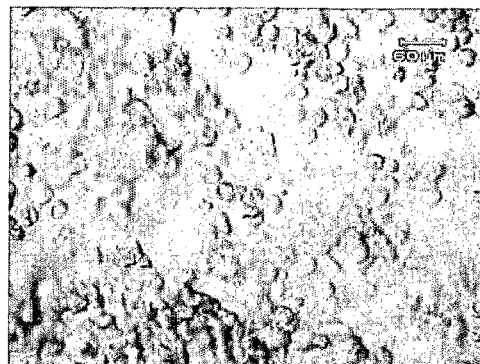
(7a)

40ug of Bt5-FveR27A 10x10



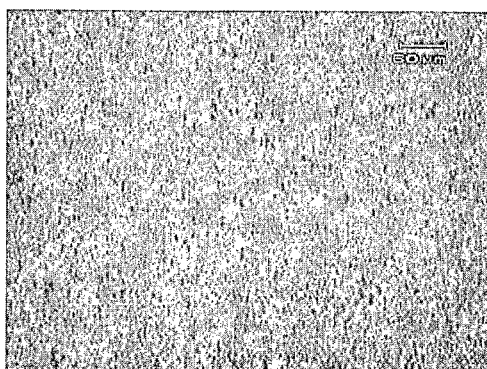
(7b)

40ug of Bt5-FveR27A 40x10



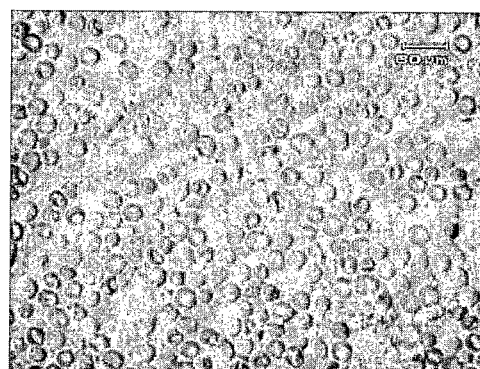
(8a)

20ug of Der p 2 10x10



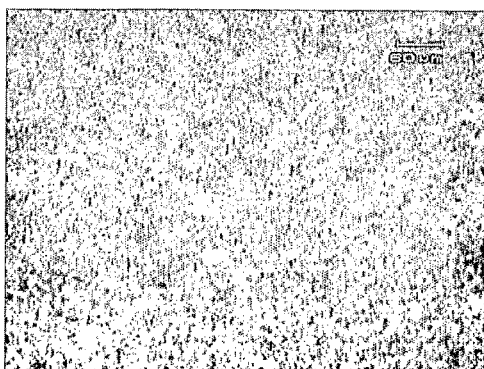
(8b)

20ug of Der p 2 40x10



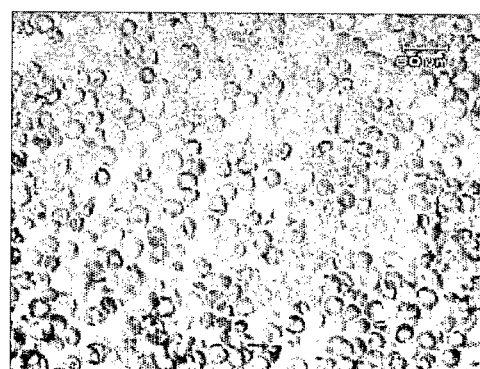
(9a)

40ug of GST-Dp2-FveR27A 10x10



(9b)

40ug of GST-Dp2-FveR27A 40x10

**FIGURE 18 (CONTINUED)**

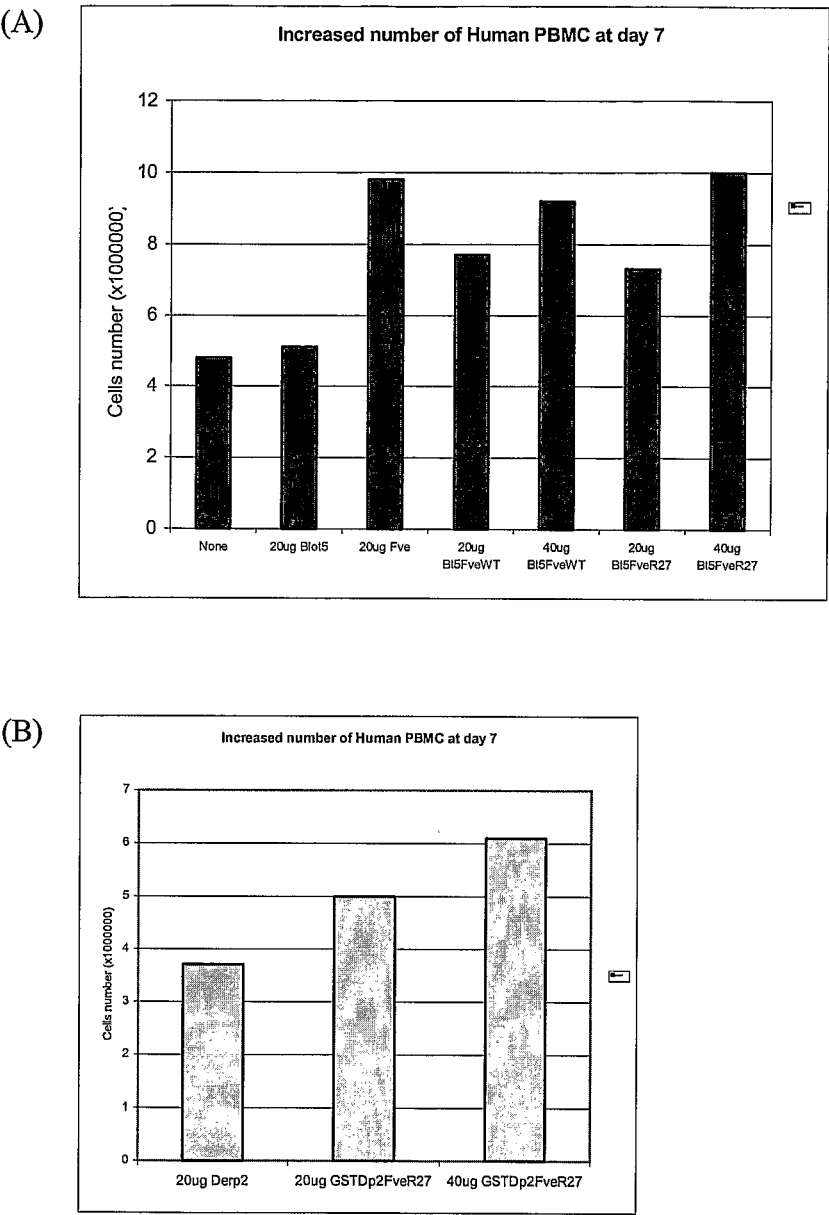


FIGURE 19

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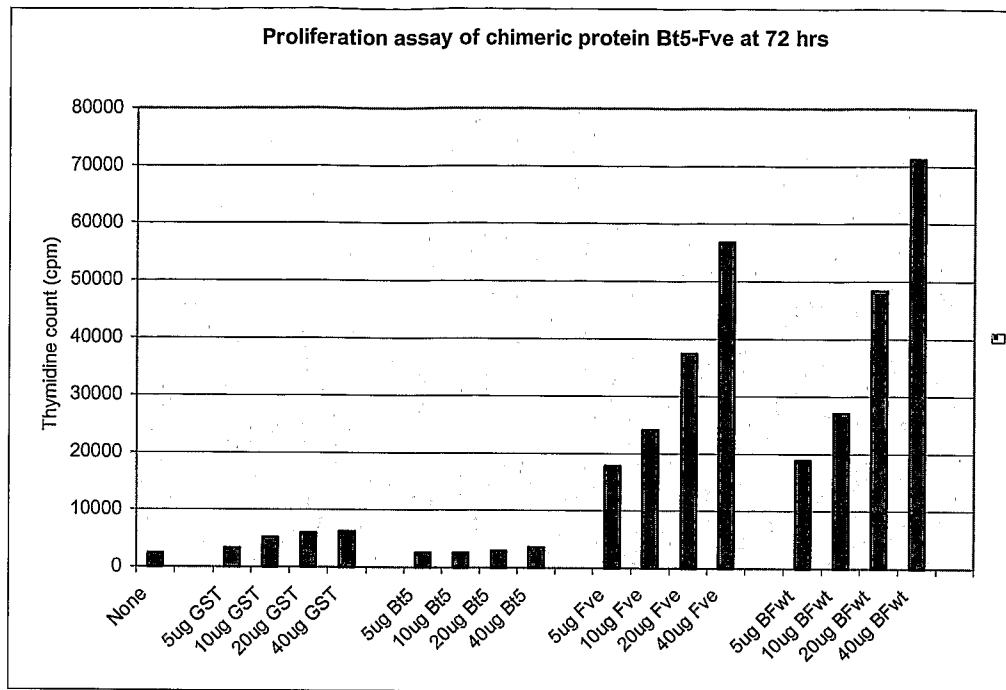
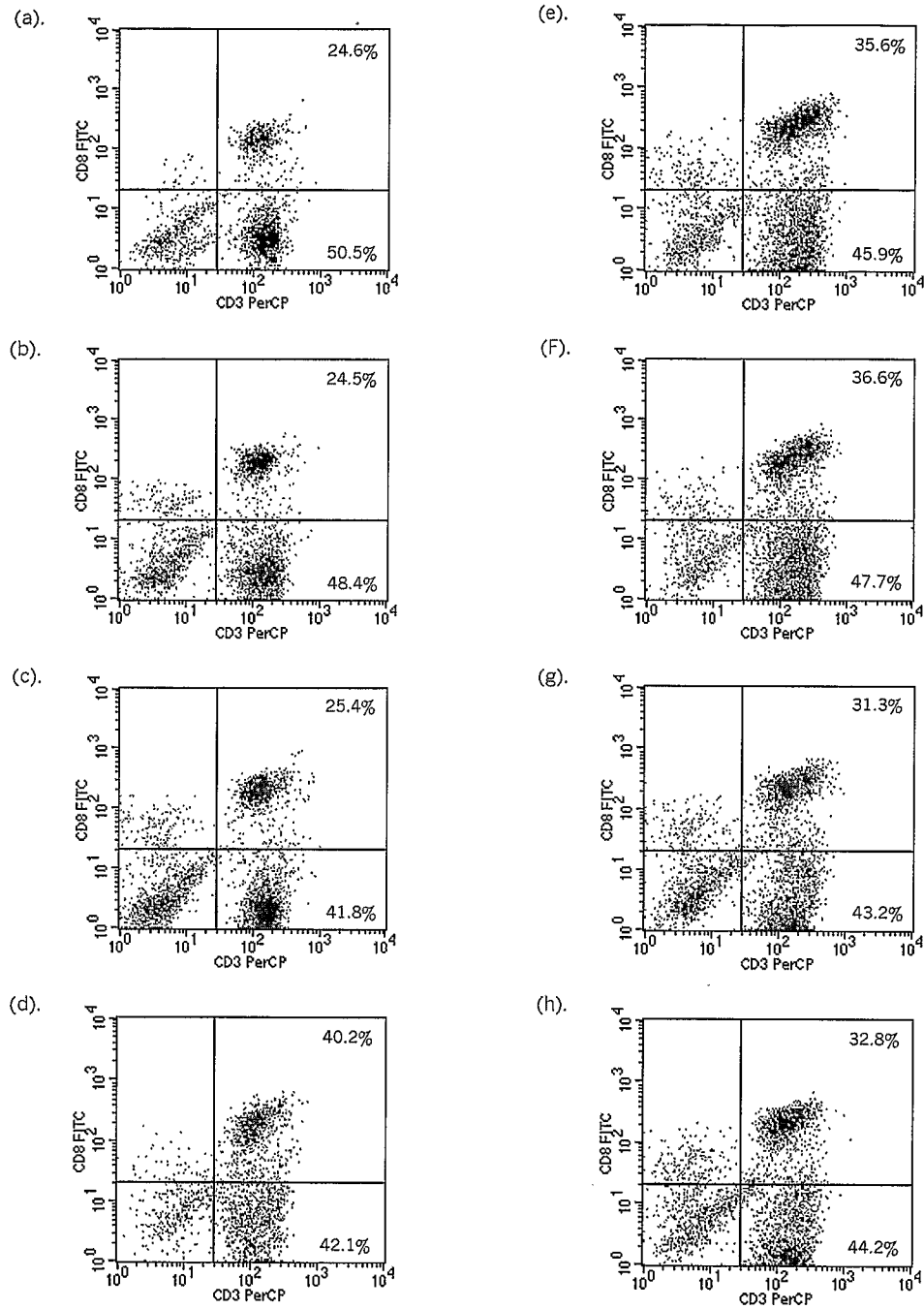
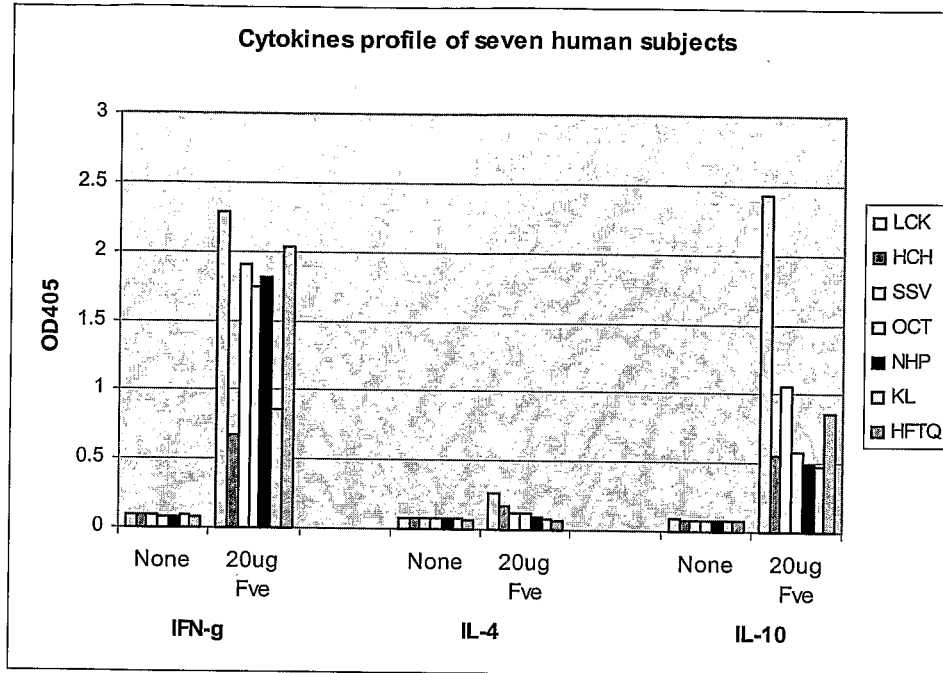
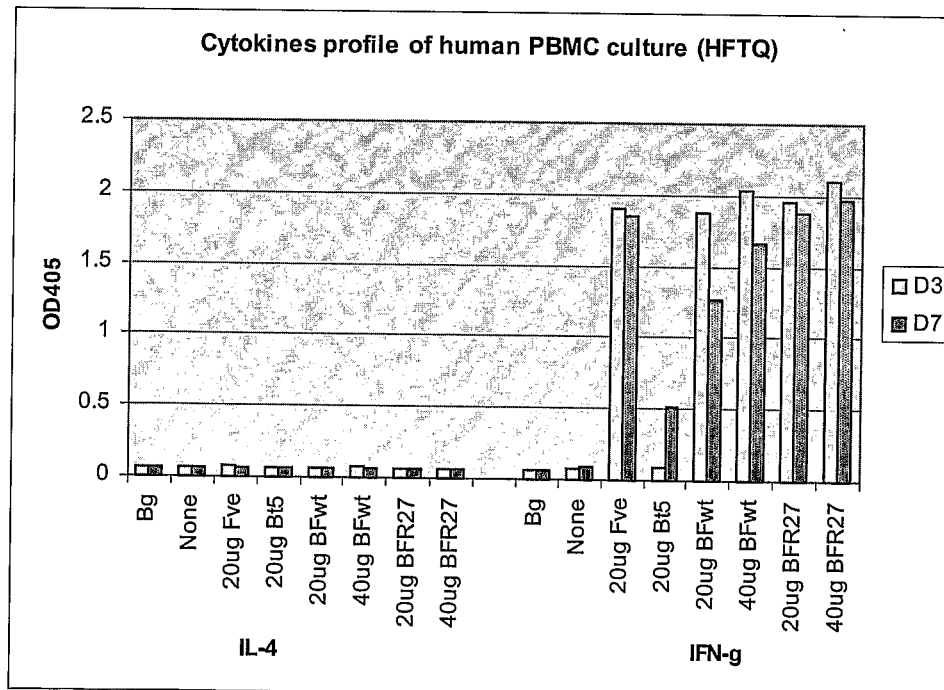
**FIGURE 20**

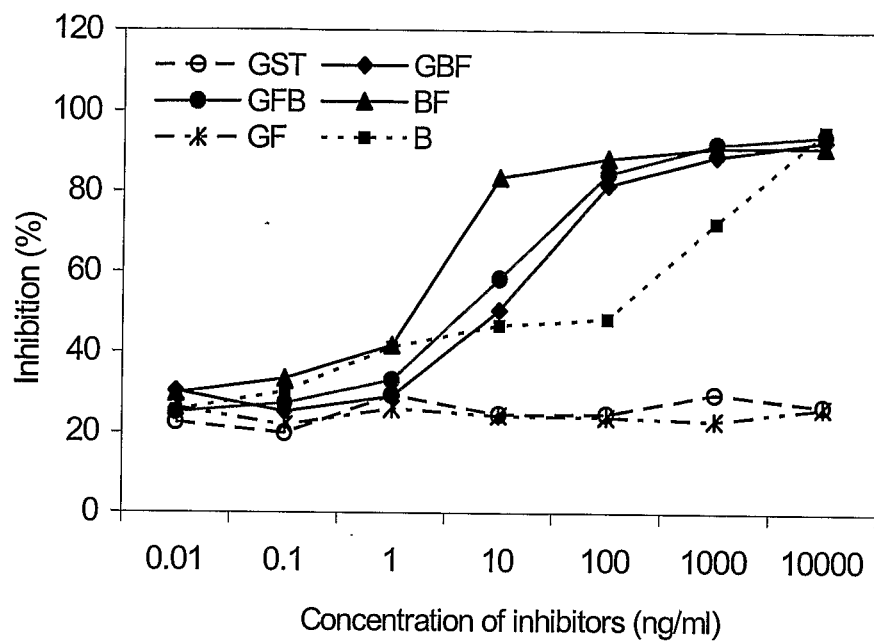
FIGURE 21



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FIGURE 22A**FIGURE 22B**

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**FIGURE 23**

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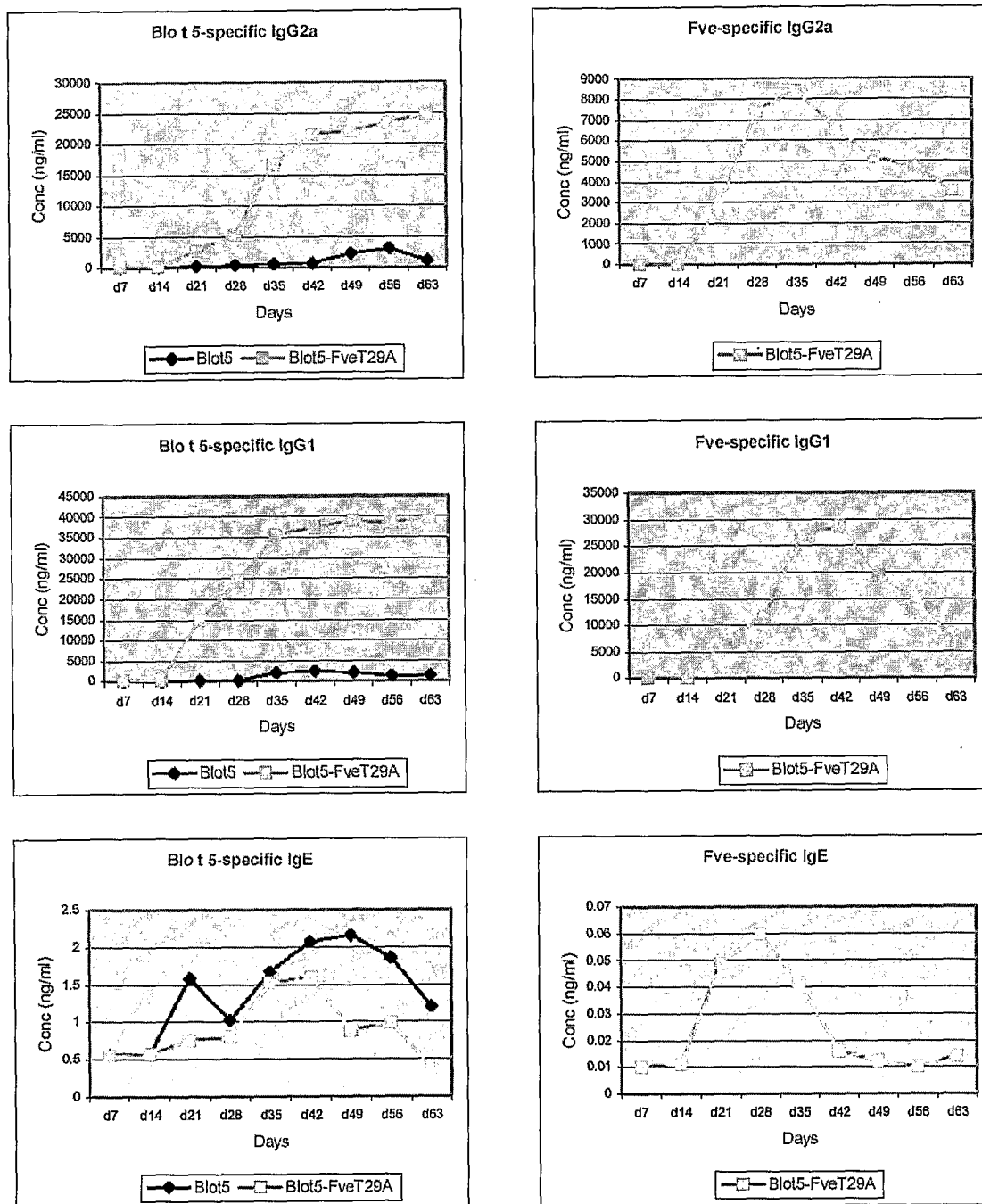
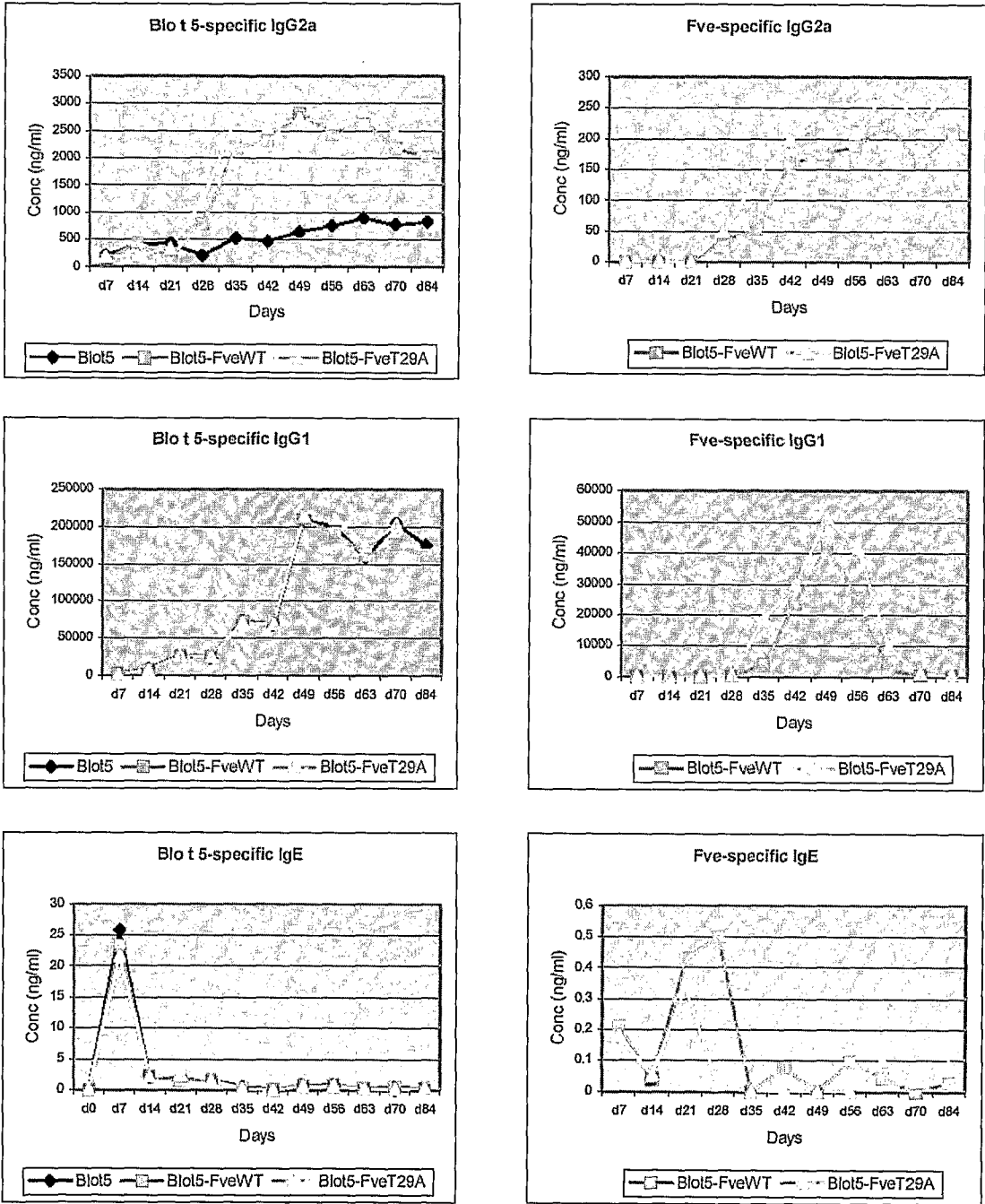
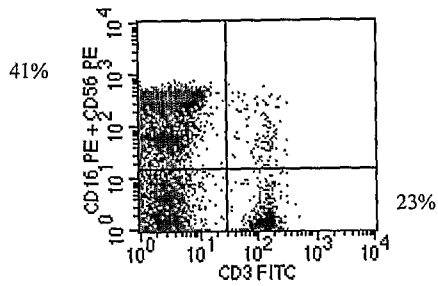
FIGURE 23B

FIGURE 23C

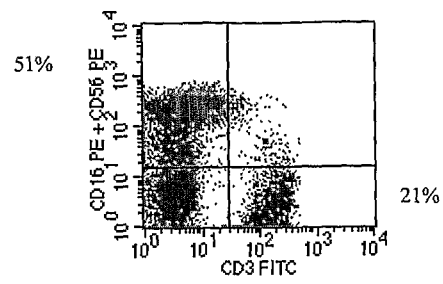


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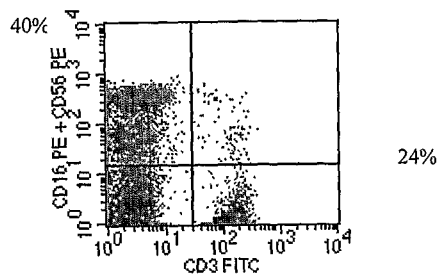
(a).



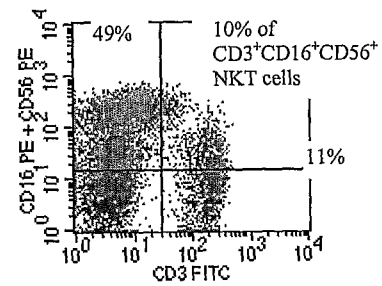
(d).



(b).



(e).



(c).

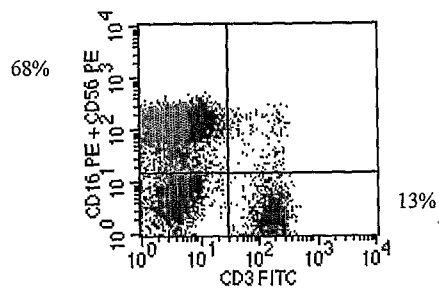
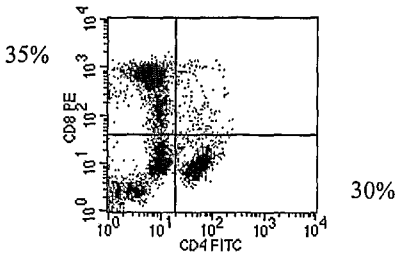
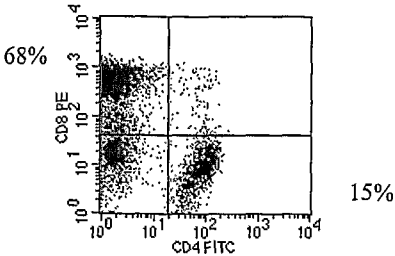


FIGURE 24

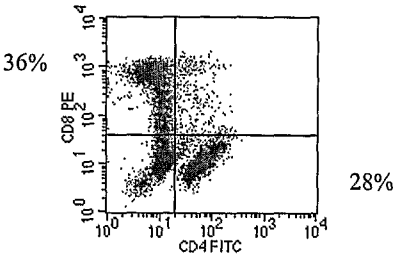
(a).



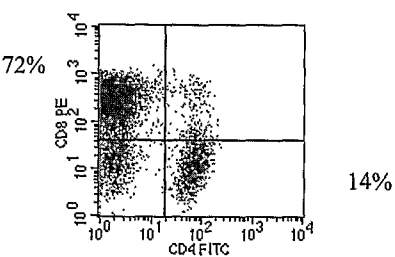
(d).



(b).



(e).



(c).

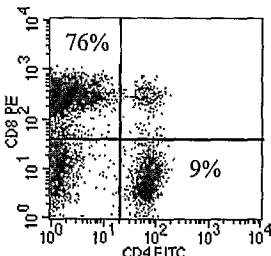
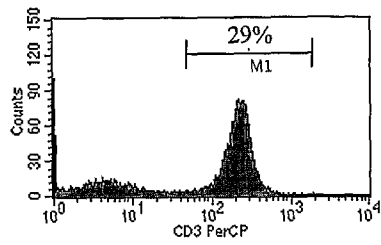


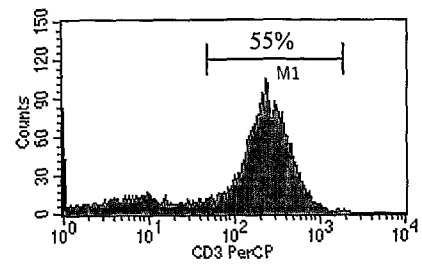
FIGURE 25

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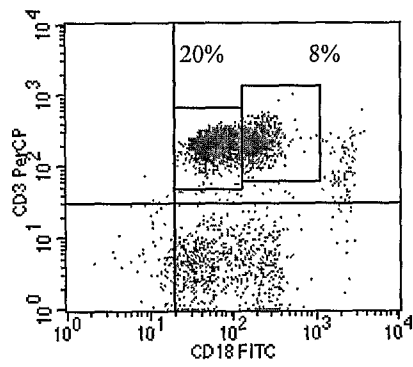
(a).



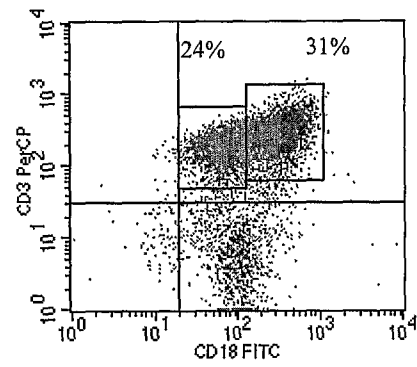
(b).



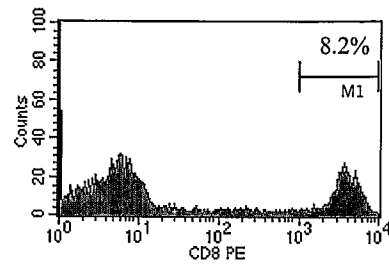
(c).



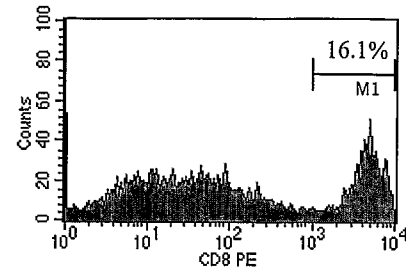
(d).

**FIGURE 26**

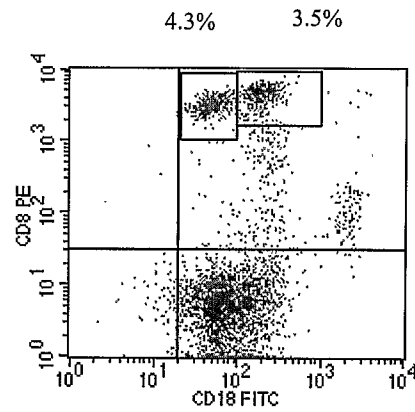
(a).



(b).



(c).



(d).

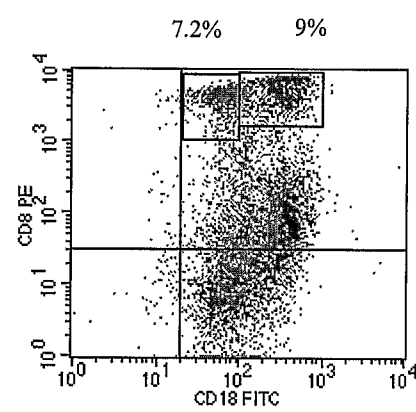
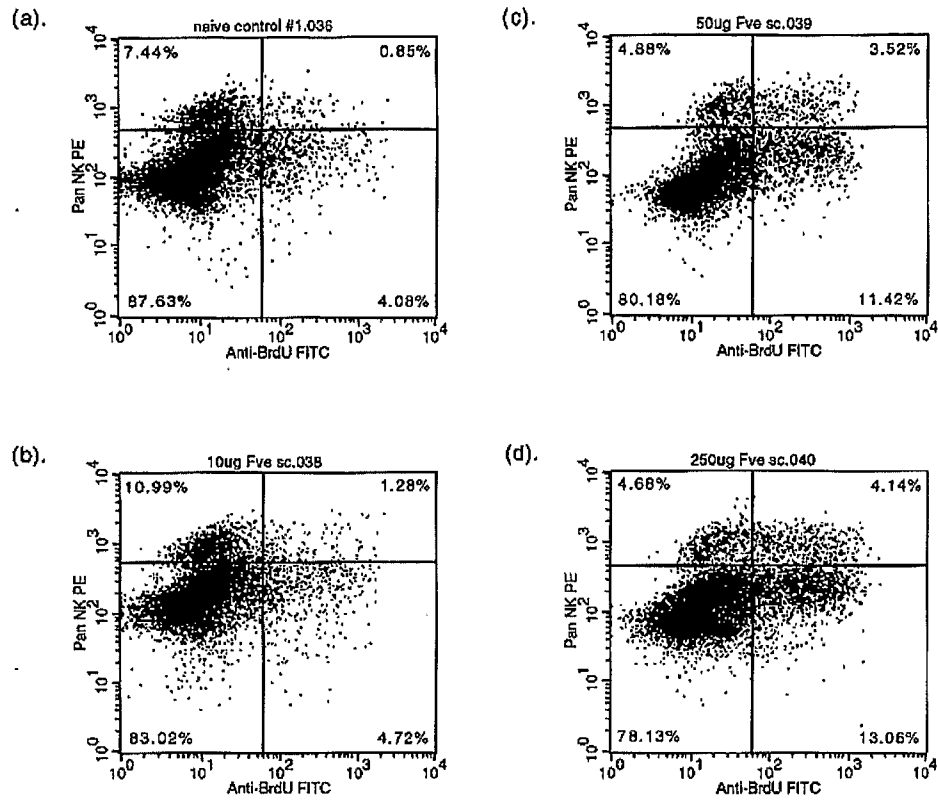
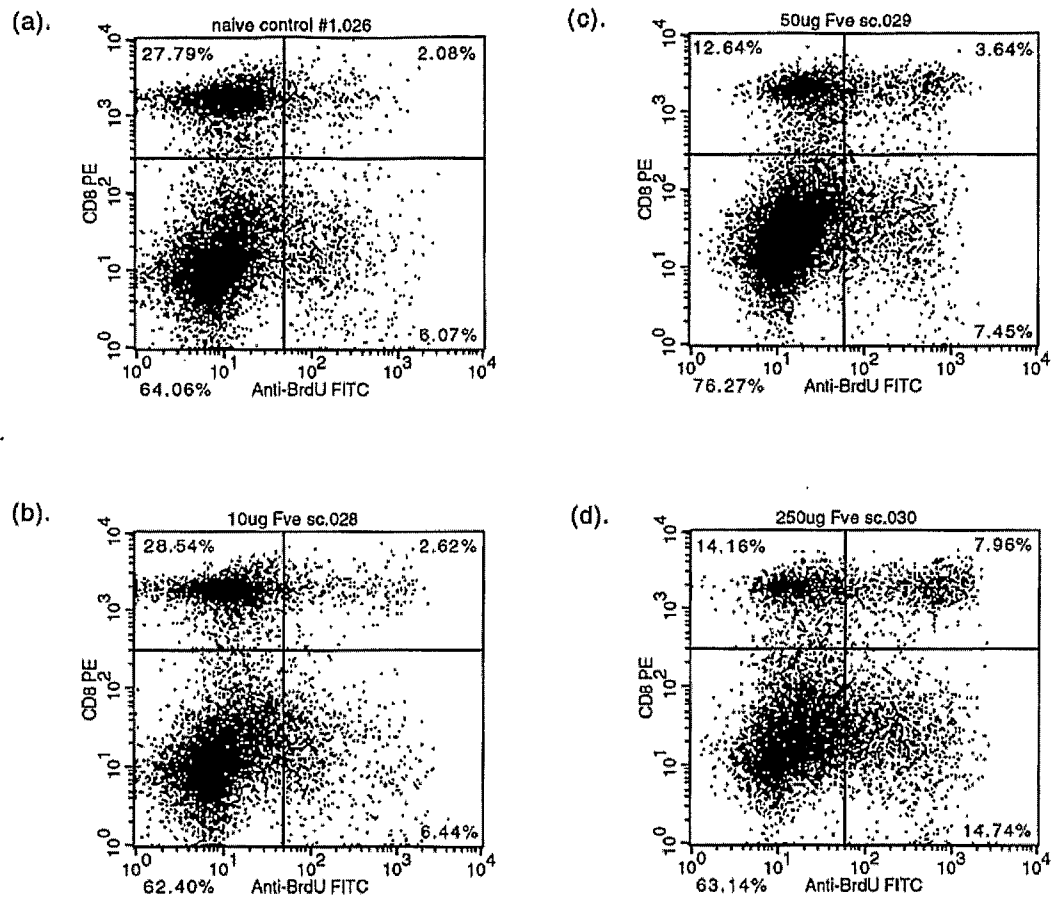


FIGURE 27

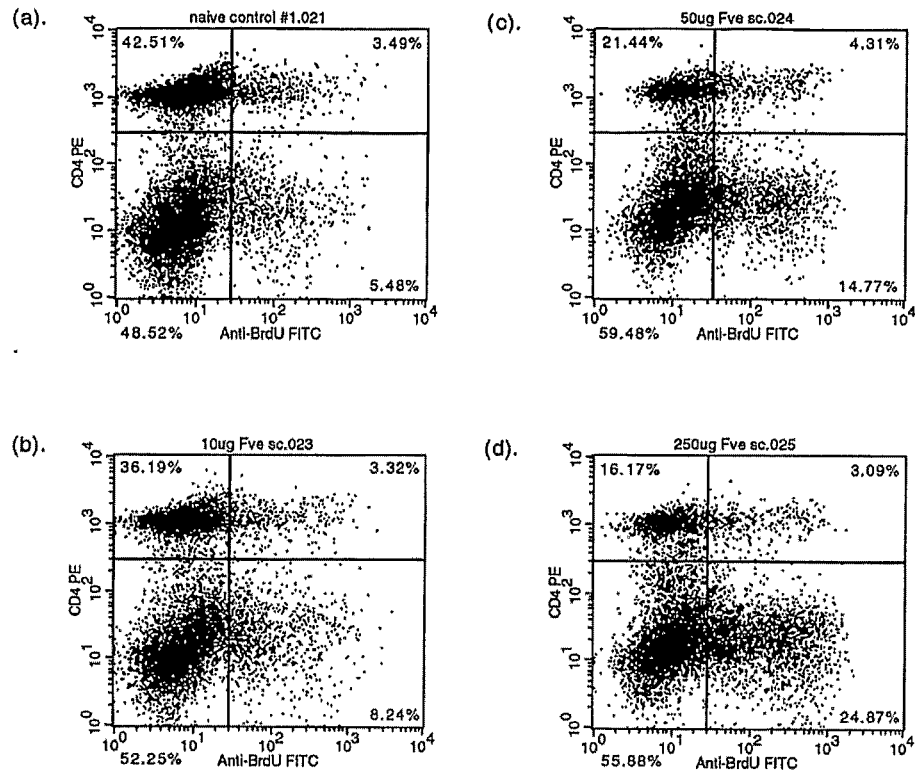
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**FIGURE 28**

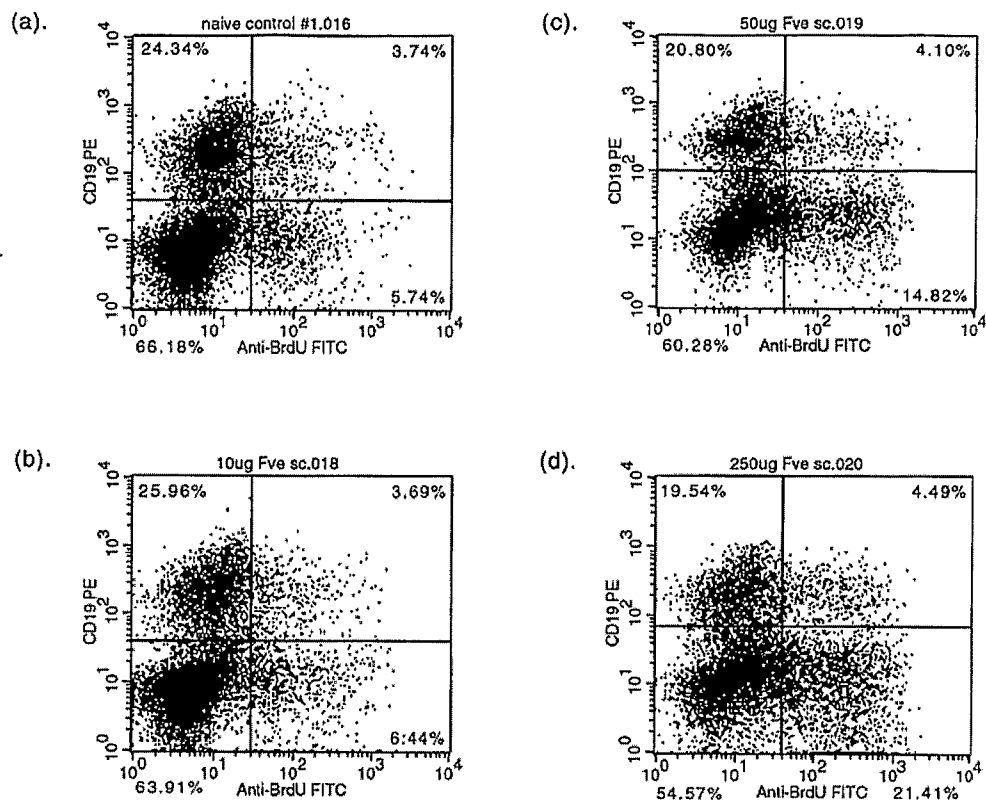
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**FIGURE 29**

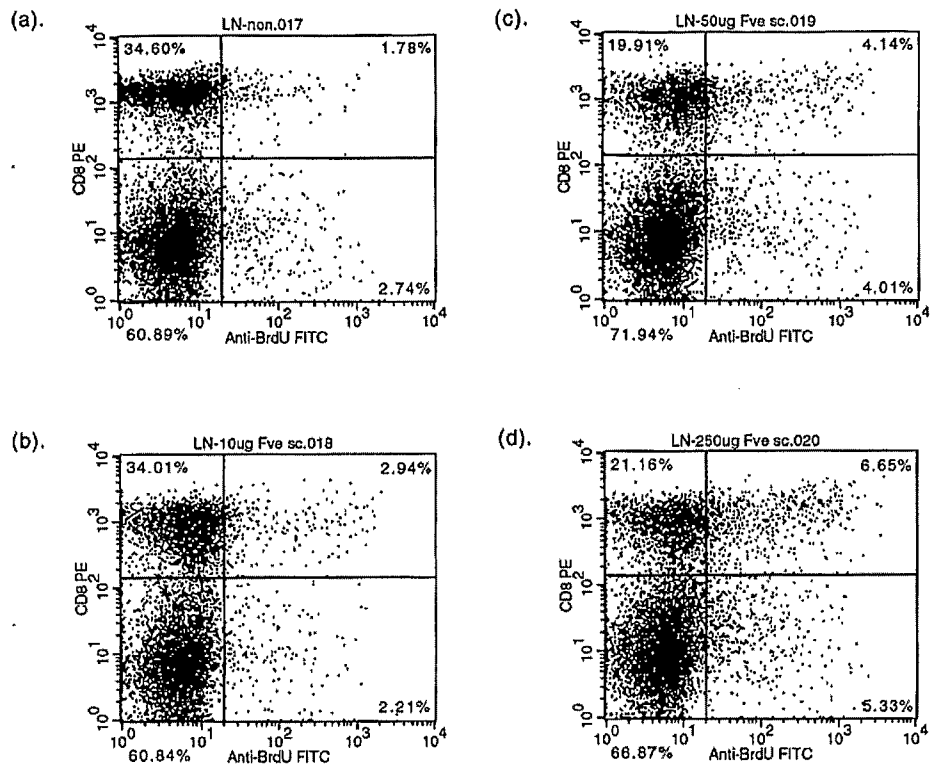
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**FIGURE 30**

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**FIGURE 31**

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**FIGURE 32**

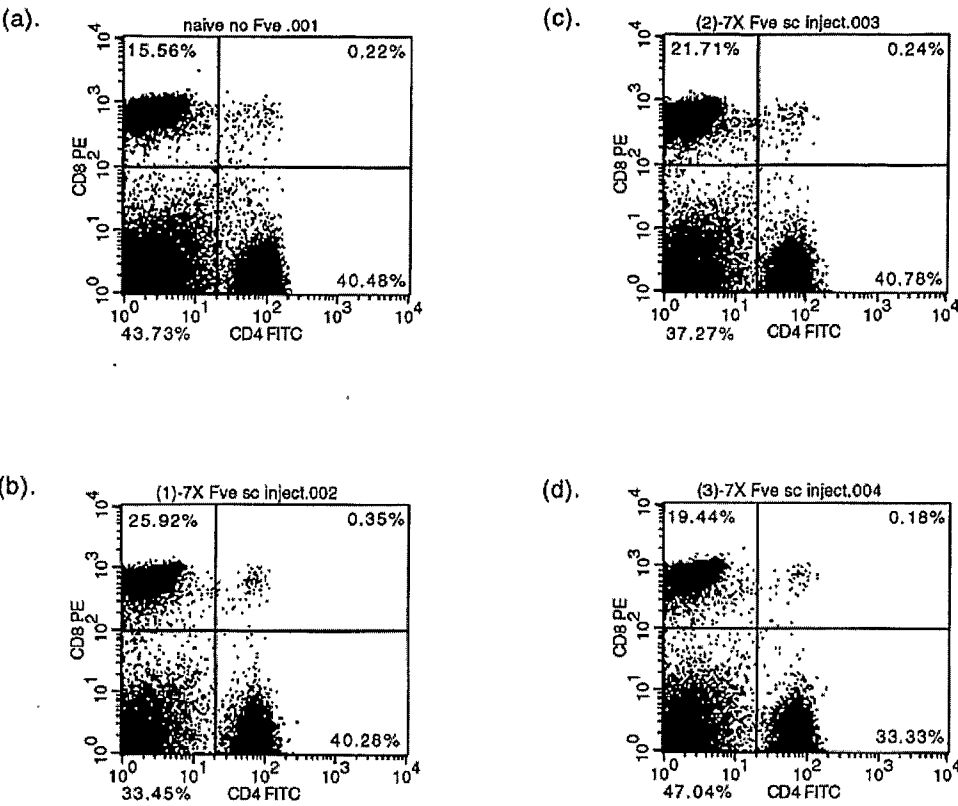
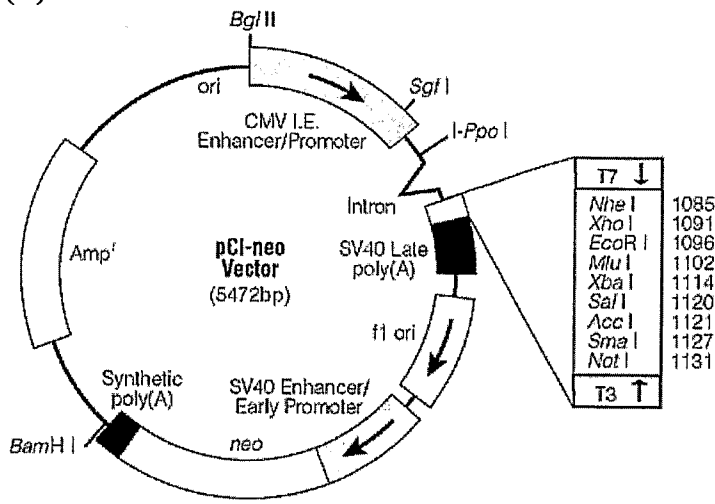


FIGURE 33

(A)



(B)

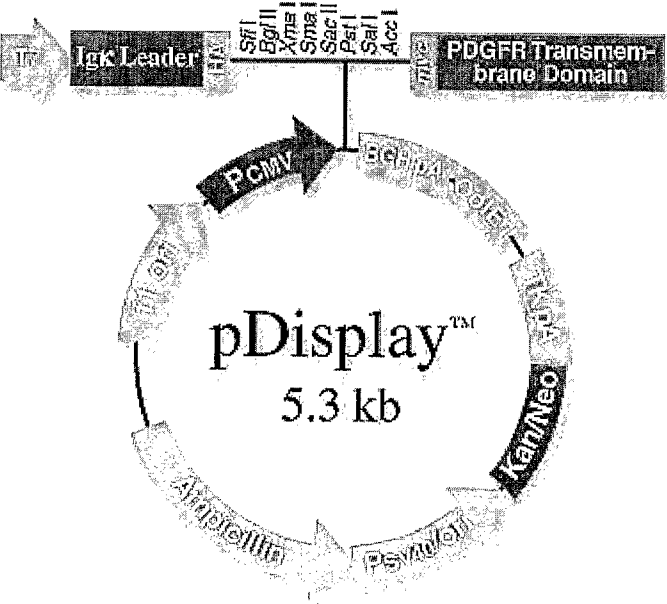
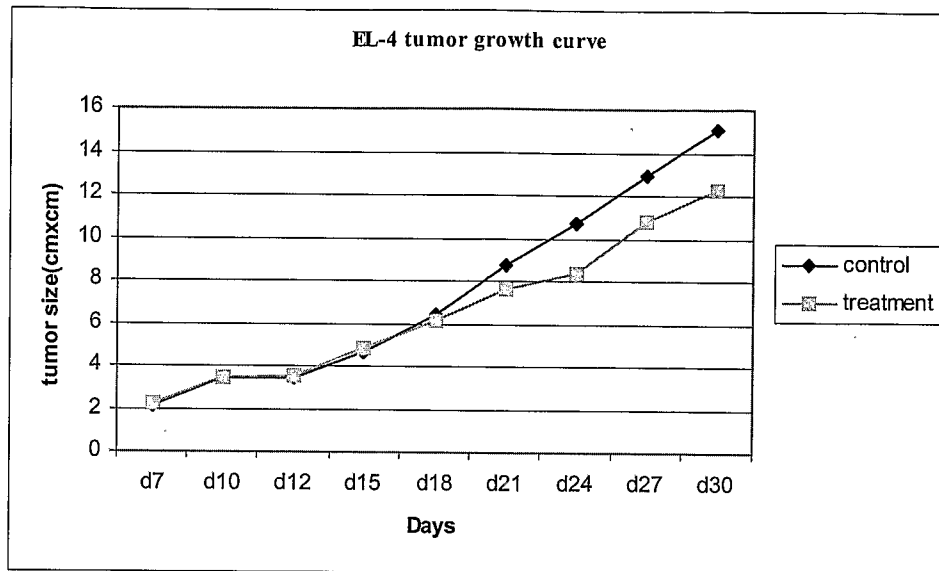
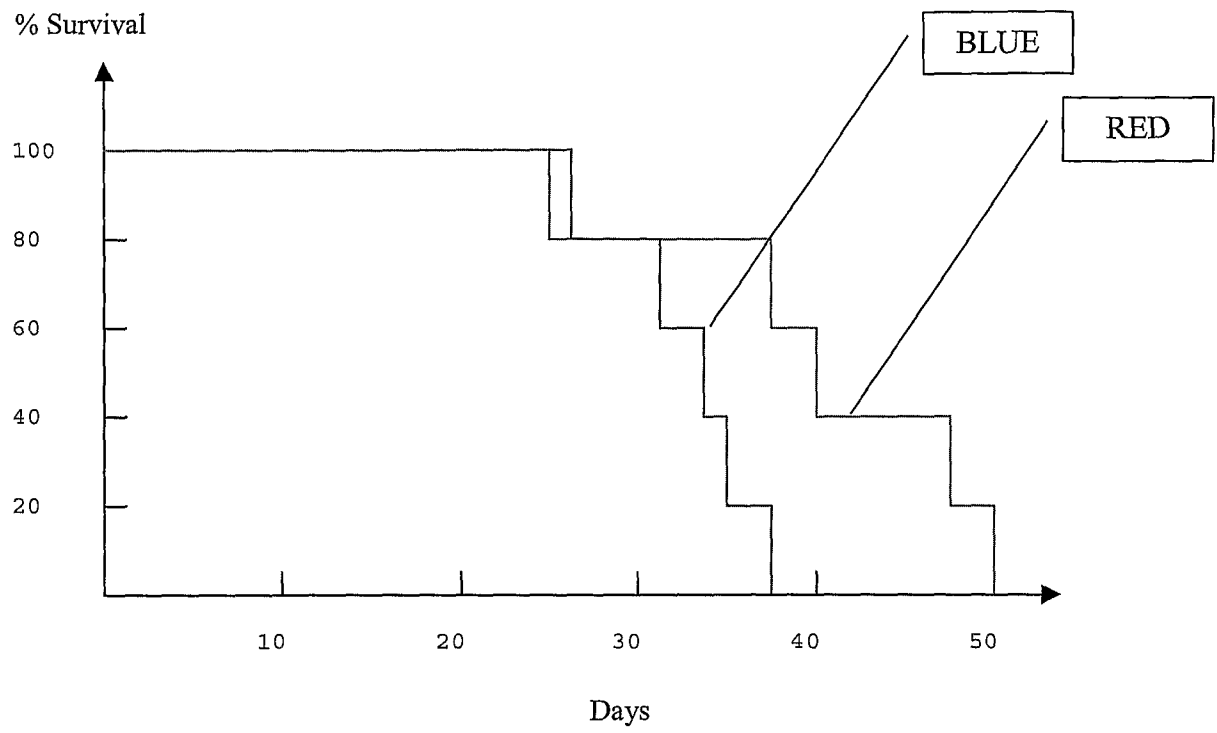


FIGURE 34

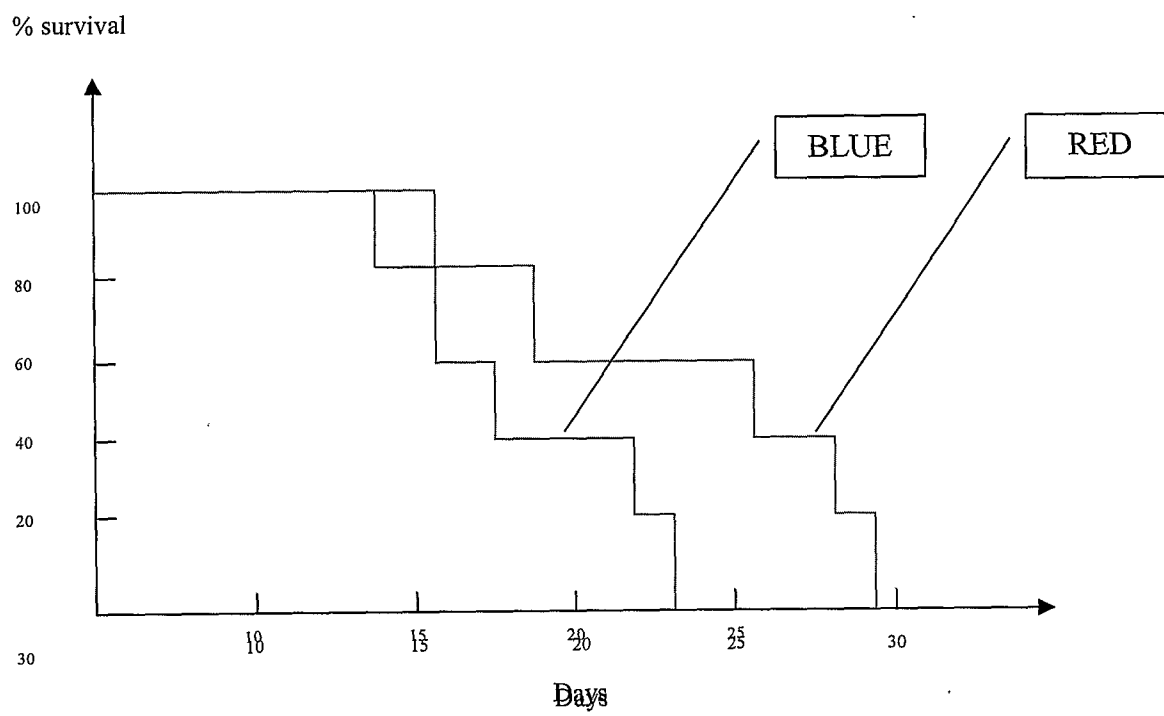
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**FIGURE 35**

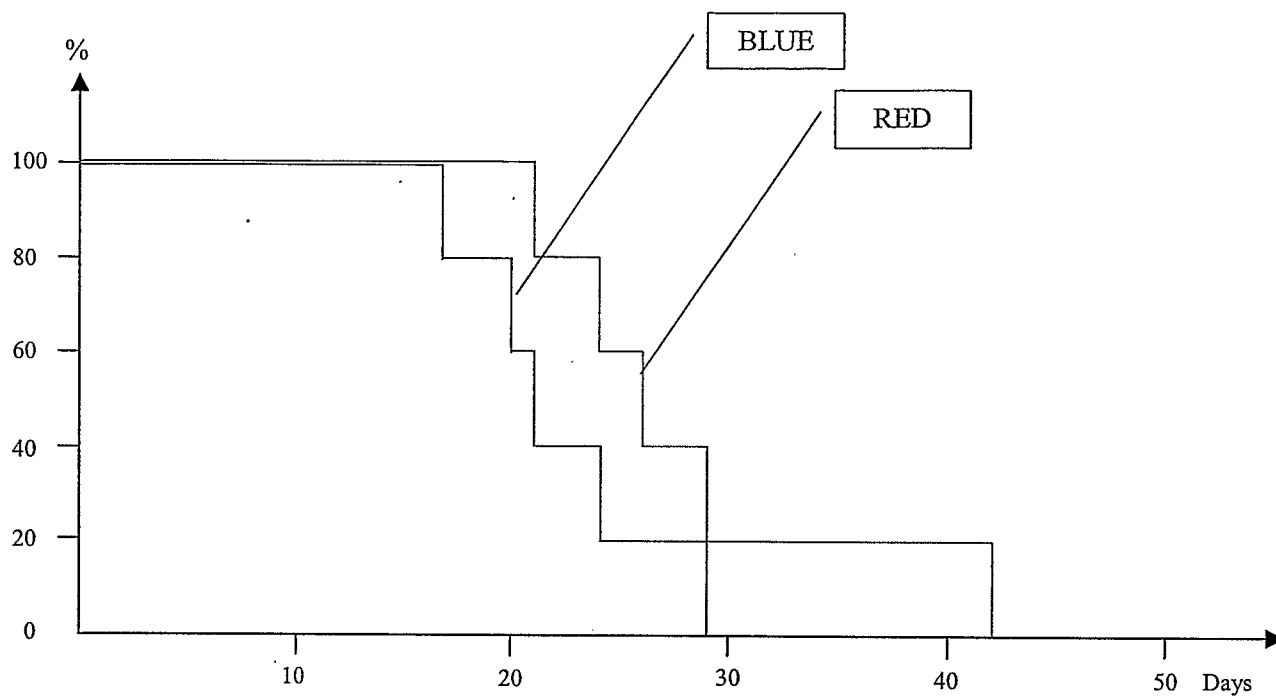
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**FIGURE 36**

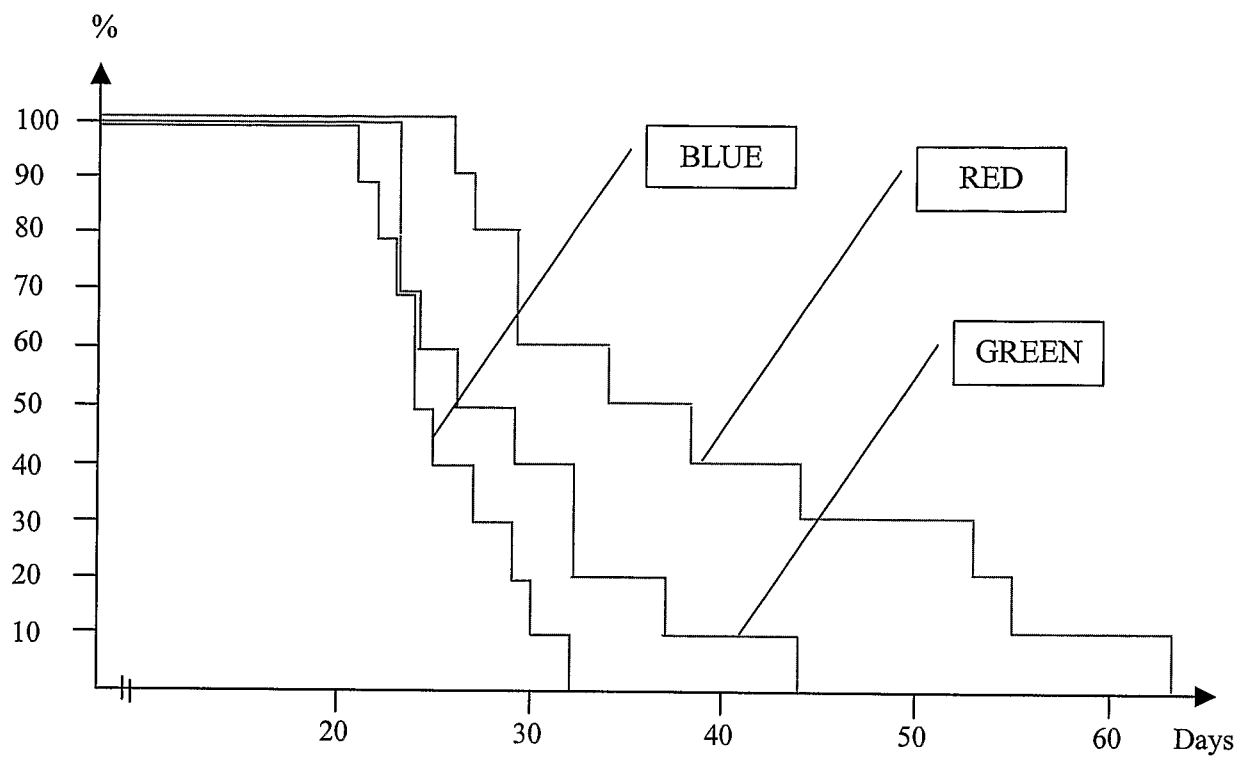
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**FIGURE 37**

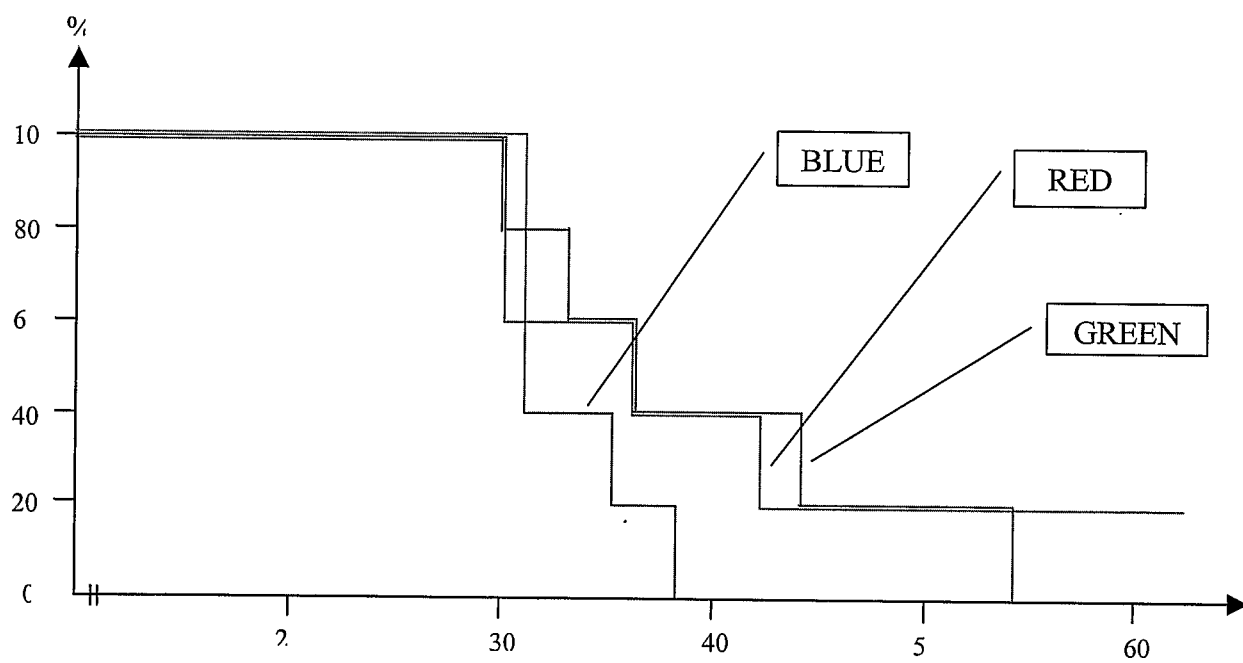
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**FIGURE 38**

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**FIGURE 39**

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**FIGURE 40**

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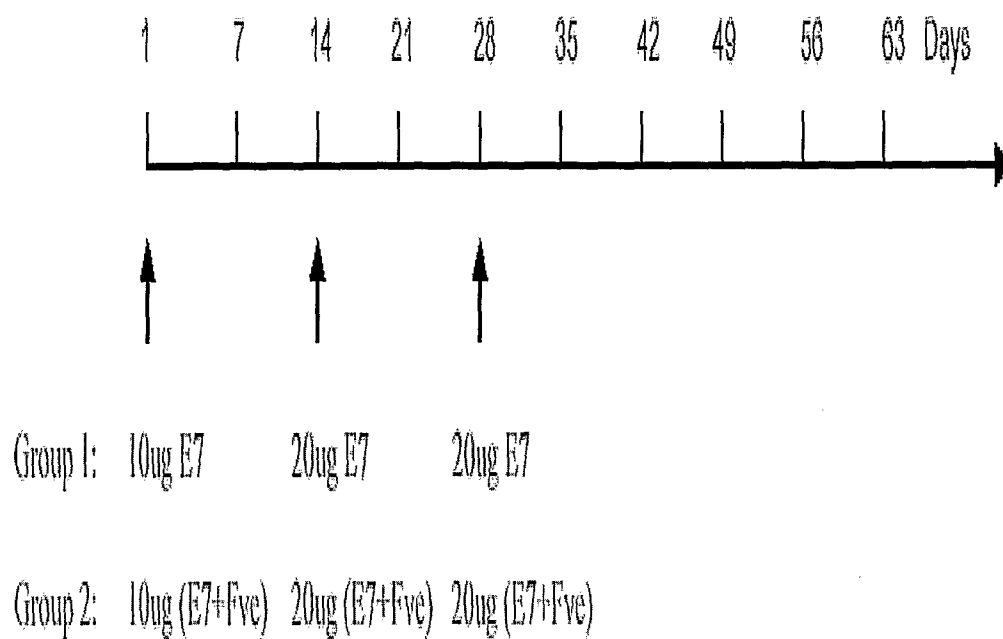
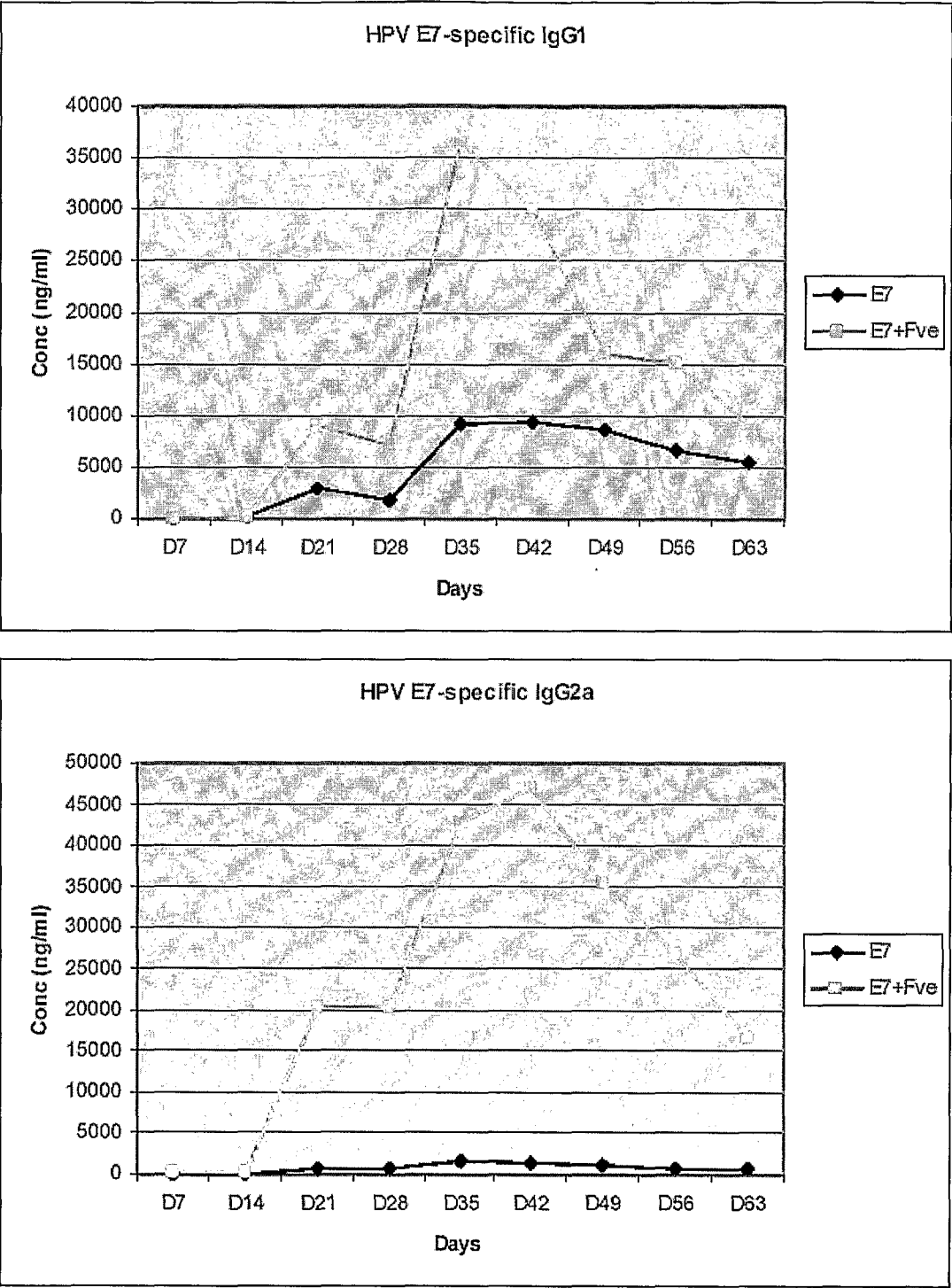
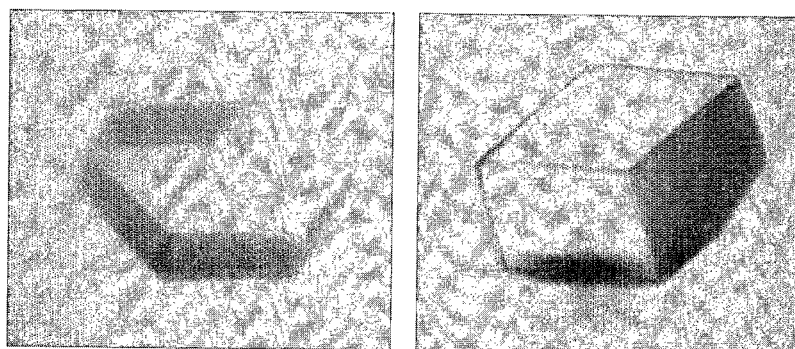
FIGURE 40B

FIGURE 40C



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FIGURE 41



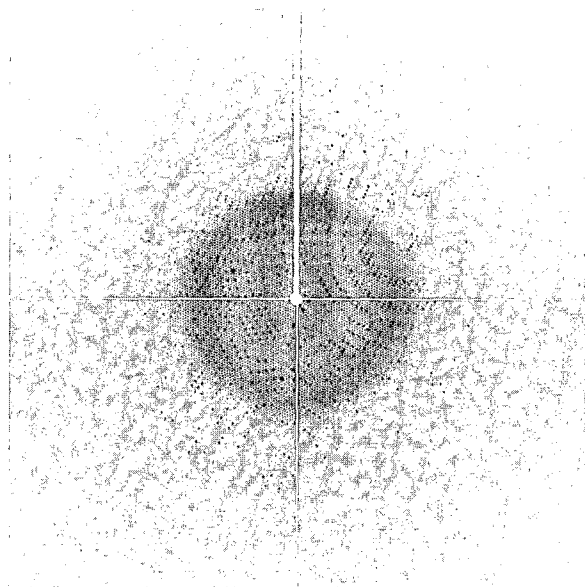


FIGURE 42

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FIGURE 43



FIGURE 44A

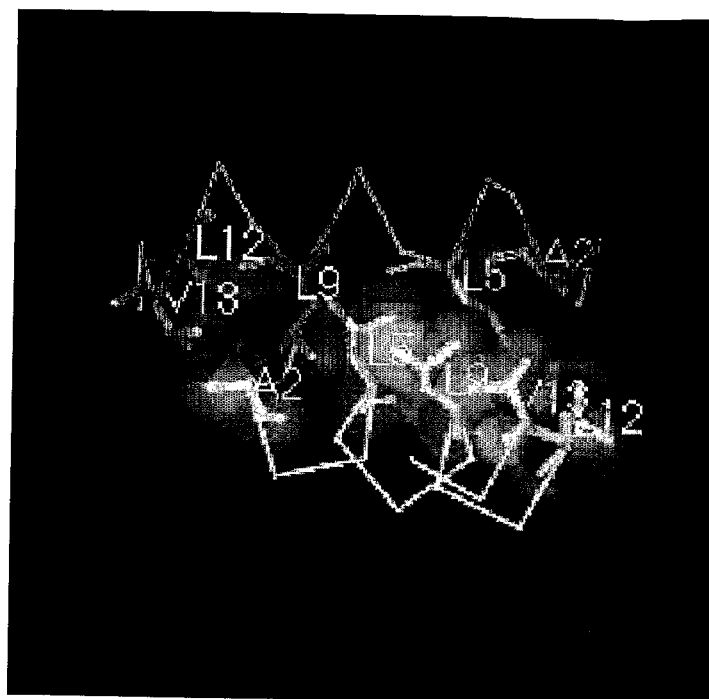
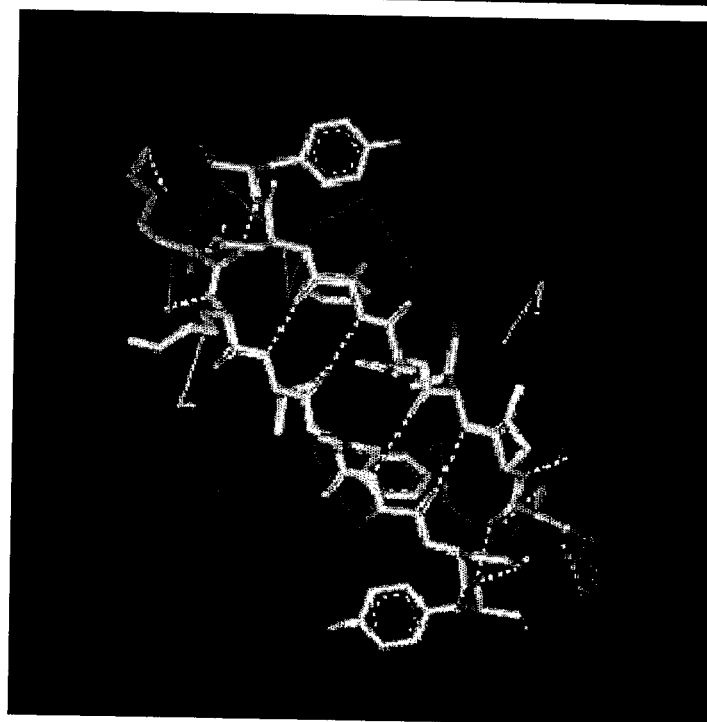
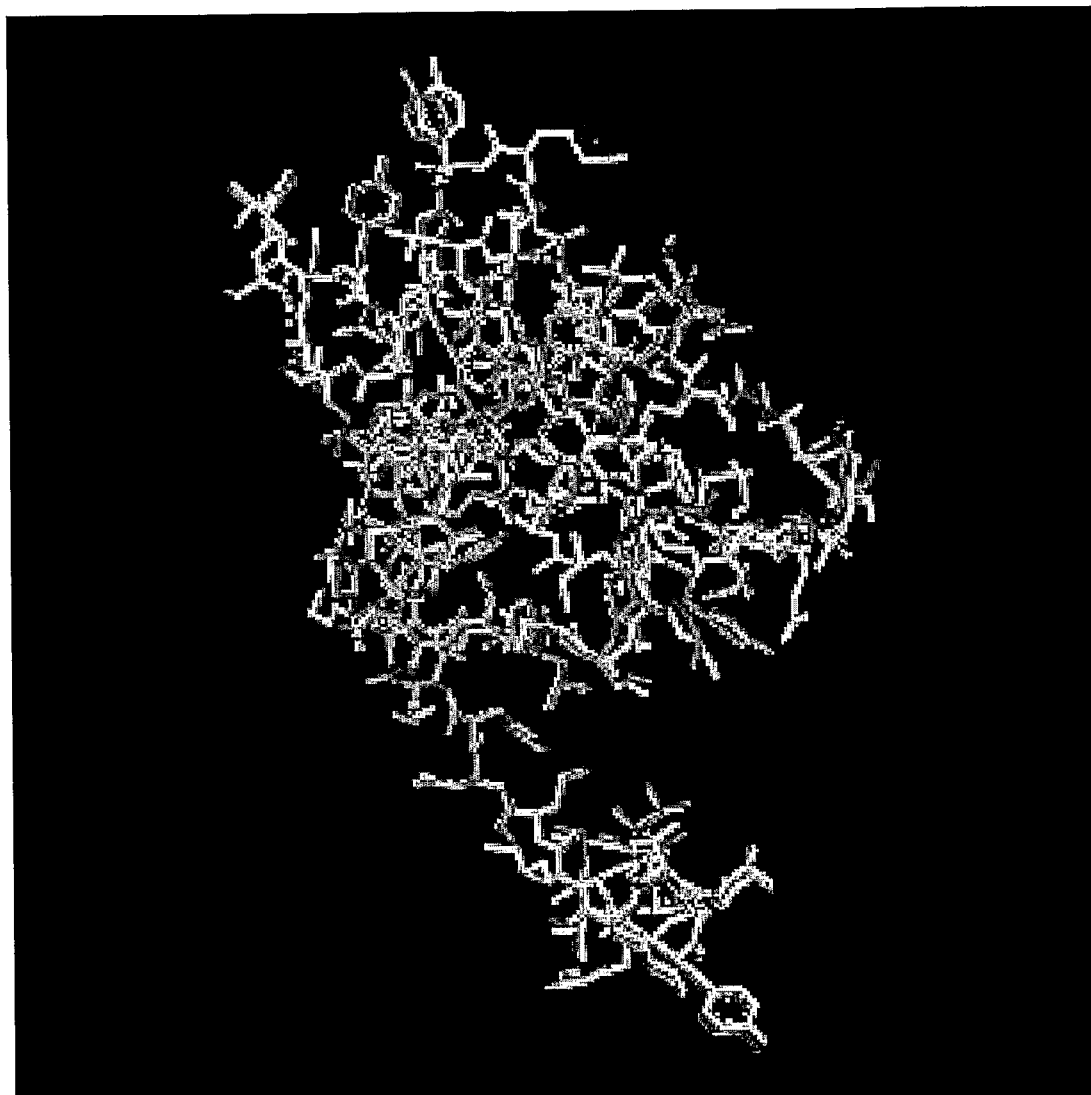


FIGURE 44B



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FIGURE 44C



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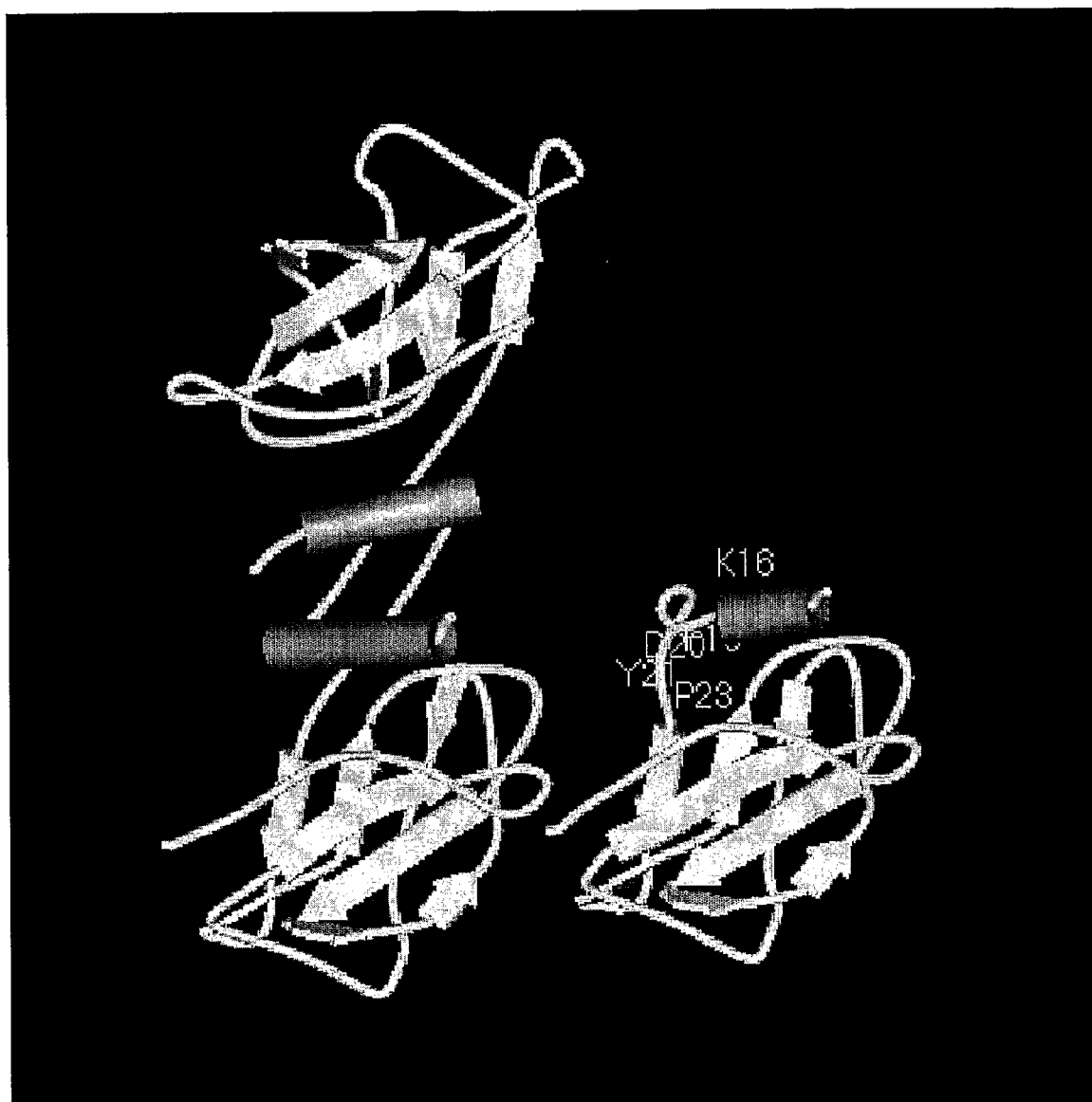


FIGURE 45A

FIGURE 45B