11 SEP 2002

FIG. 1

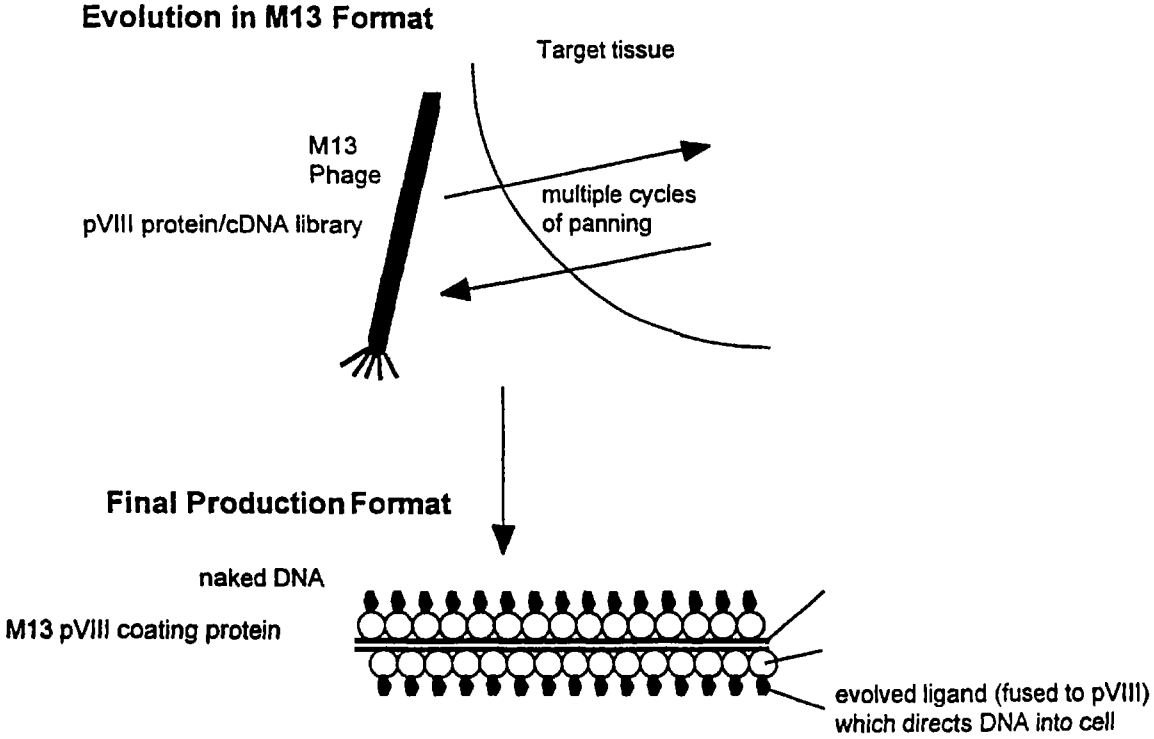
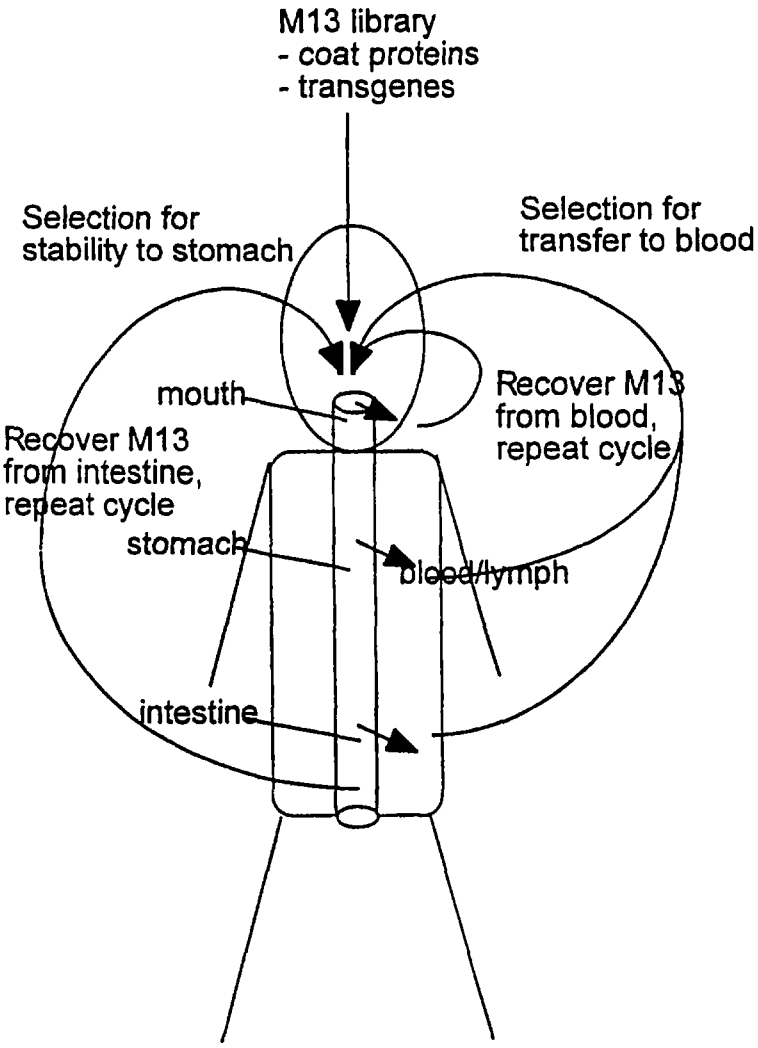




FIG. 2


M13 library
- coat proteins
- transgenes
Selection for
stability to stomach
Selection for
transfer to blood
mouth
Recover M13
from blood,
repeat cycle
Recover M13
from intestine,
repeat cycle
stomach
blood/lymph
intestine

SUBSTITUTE SHEET (RULE 26)

FIG. 3

```
                                    1                                                  60
          E._coli_enterotoxin_B     ATGAATAAAGTAAAATGTTATGTTTTATTTACGGCGTTACTATCCTCTCTATGTGCATAC
E._coli_enterotoxin_B_(porcine)     ATGAATAAAGTAAAATGTTATGTTTTATTTACGGCGTTACTATCCTCTCTATATGCACAC
     Cholera_toxin_SubB_DNA-seq     ATGATTAAATTAAAATTTGGTGTTTTTTTTTACAGTTTTACTATCTTCAGCATATGCACAT

                                   61                                                 120
          E._coli_enterotoxin_B     GGAGCTCCCCAGTCTATTACAGAACTATGTTCGGAATATCGCAACACACAAATATATACG
E._coli_enterotoxin_B_(porcine)     GGAGCTCCCCAGACTATTACAGAACTATGTTCGGAATATCGCAACACACAAATATATACG
     Cholera_toxin_SubB_DNA-seq     GGAACACCTCAAAATATTACTGATTTGTGTGCAGAATACCACAACACACAAATACATACG

                                  121                                                 180
          E._coli_enterotoxin_B     ATAAATGACAAGATACTATCATATACGGAATCGATGGCAGGCAAAAGAGAAATGGTTATC
E._coli_enterotoxin_B_(porcine)     ATAAATGACAAGATACTATCATATACGGAATCGATGGCAGGCAAAAGAGAAATGGTTATC
     Cholera_toxin_SubB_DNA-seq     CTAAATGATAAGATATTTTCGTATACAGAATCTCTAGCTGGAAAAAGAGAGATGGCTATC

                                  181                                                 240
          E._coli_enterotoxin_B     ATTACATTTAAGAGCGGCGCAACATTTCAGGTCGAAGTCCCGGGCAGTCAACATATAGAC
E._coli_enterotoxin_B_(porcine)     ATTACATTTAAGAGCGGCGAAACATTTCAGGTCGAAGTCCCGGGCAGTCAACATATAGAC
     Cholera_toxin_SubB_DNA-seq     ATTACTTTTAAGAATGGTGCAACTTTTCAAGTAGAAGTACCAGGTAGTCAACATATAGAT

                                  241                                                 300
          E._coli_enterotoxin_B     TCCCAAAAAAAAAGCCATTGAAAGGATGAAGGACACATTAAGAATCACATATCTGACCGAG
E._coli_enterotoxin_B_(porcine)     TCCCAGAAAAAAAGCCATTGAAAGGATGAAGGACACATTAAGAATCACATATCTGACCGAG
     Cholera_toxin_SubB_DNA-seq     TCACAAAAAAAAAGCGATTGAAAGGATGAAGGATACCCTGAGGATTGCATATCTTACTGAA

                                  301                                                 360
          E._coli_enterotoxin_B     ACCAAAATTGATAAATTATGTGTATGGAATAATAAAACCCCCAATTCAATTGCGGCAATC
E._coli_enterotoxin_B_(porcine)     ACCAAAATTGATAAATTATGTGTATGGAATAATAAAACCCCCAATTCAATTGCGGCAATC
     Cholera_toxin_SubB_DNA-seq     GCTAAAGTCGAAAAGTTATGTGTATGGAATAATAAAACGCCTCATGCGATTGCCGCAATT

                                  361                 375
          E._coli_enterotoxin_B     AGTATGGAAAACTAG
E._coli_enterotoxin_B_(porcine)     AGTATGAAAAACTAG
     Cholera_toxin_SubB_DNA-seq     AGTATGGCAAATTAA
```

FIG. 4A

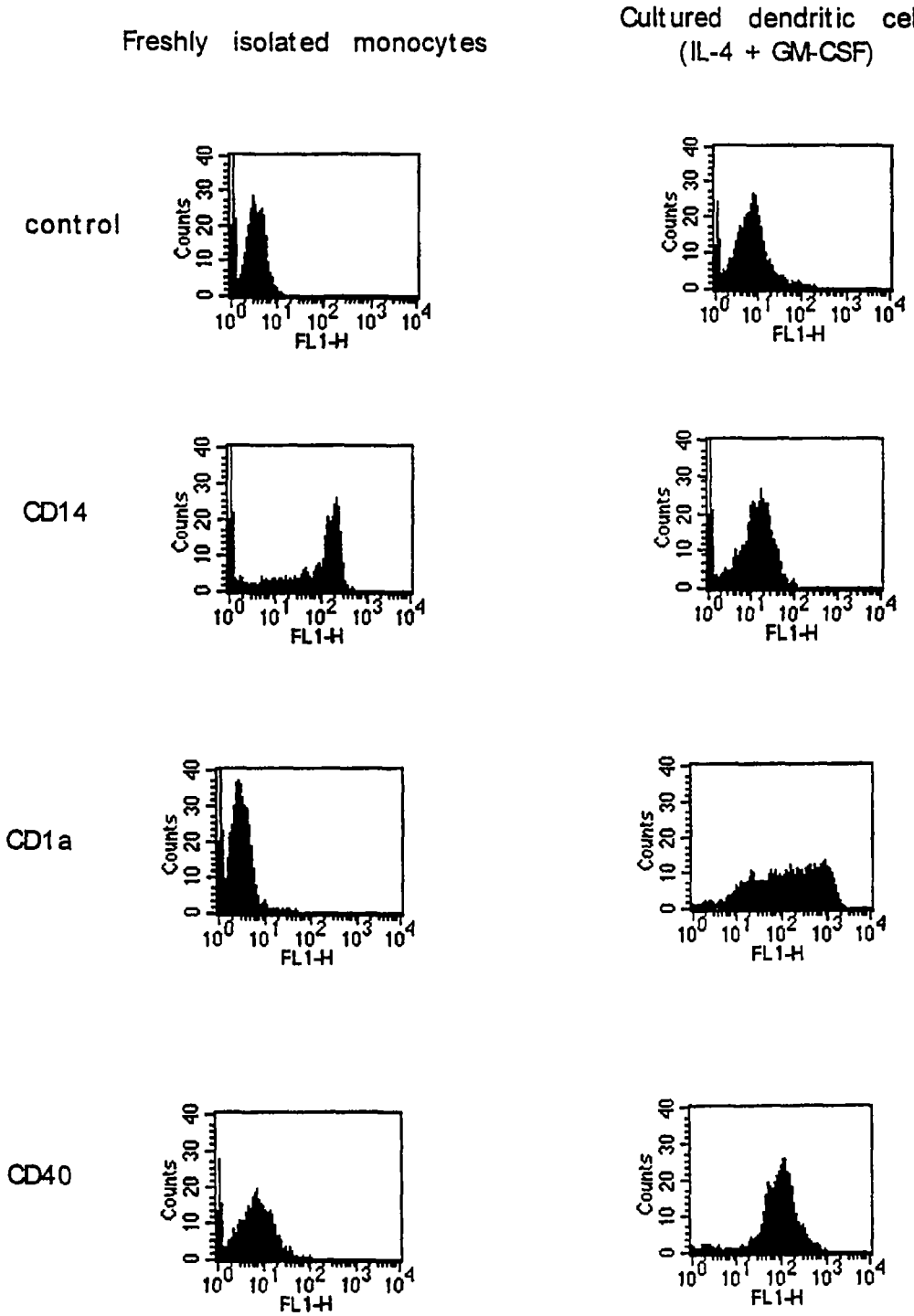

Freshly isolated monocytes
Cultured dendritic cells (IL-4 + GM-CSF)
control
CD14
CD1a
CD40
Counts
FL1-H

FIG. 4A (Con't)

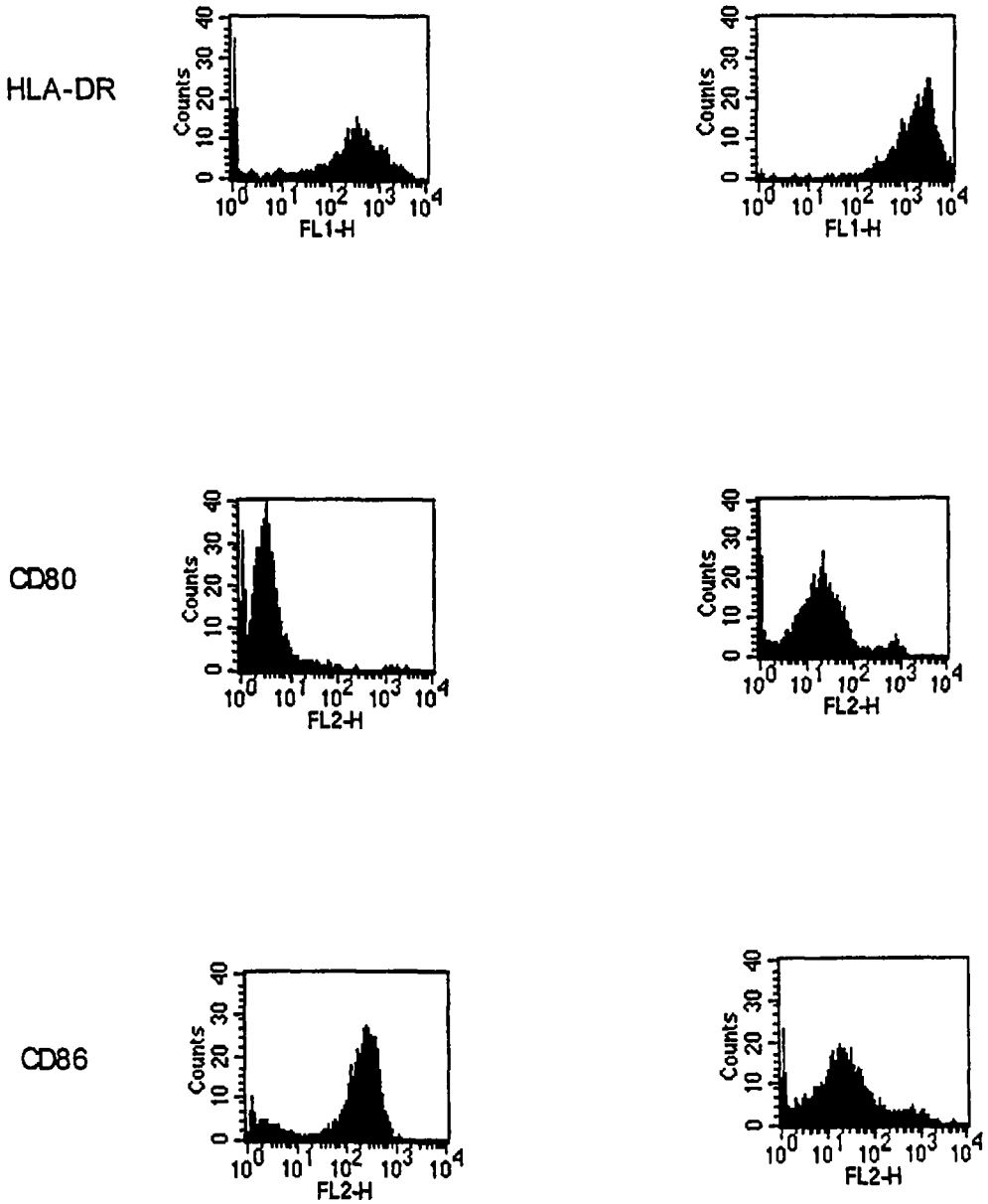
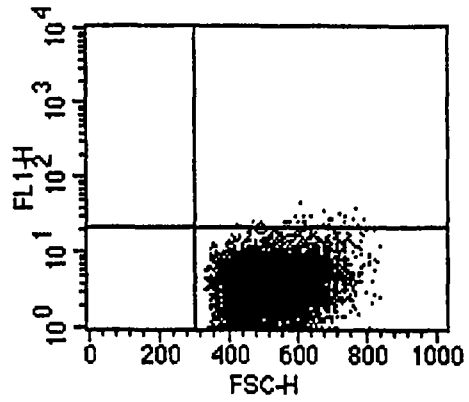


FIG. 4B

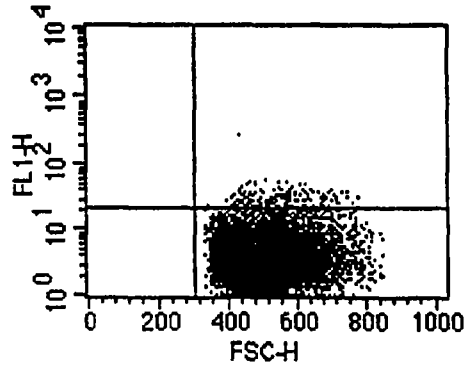
FP



non-transfected

Quad	Events	% Gated	% Total
UL	0	0.00	0.00
UR	34	0.34	0.34
LL	0	0.00	0.00
LR	9966	99.66	99.66

FP

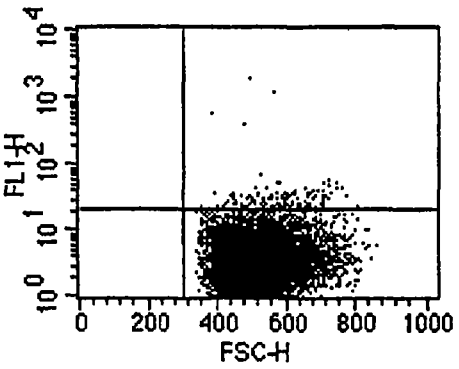


DOTAP 20ul

Quad	Events	% Gated	% Total
UL	0	0.00	0.00
UR	155	1.55	1.55
LL	0	0.00	0.00
LR	9845	98.45	98.45

FIG. 4B (con't.)

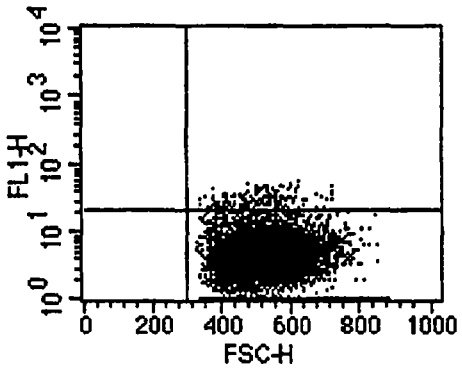
GFP



DOTAP 30ul

Quad	Events	% Gated	% Total
UL	0	0.00	0.00
UR	139	1.39	1.39
LL	0	0.00	0.00
LR	9861	98.61	98.61

GFP



Superfect

Quad	Events	% Gated	% Total
UL	0	0.00	0.00
UR	164	1.64	1.64
LL	0	0.00	0.00
LR	9836	98.36	98.36