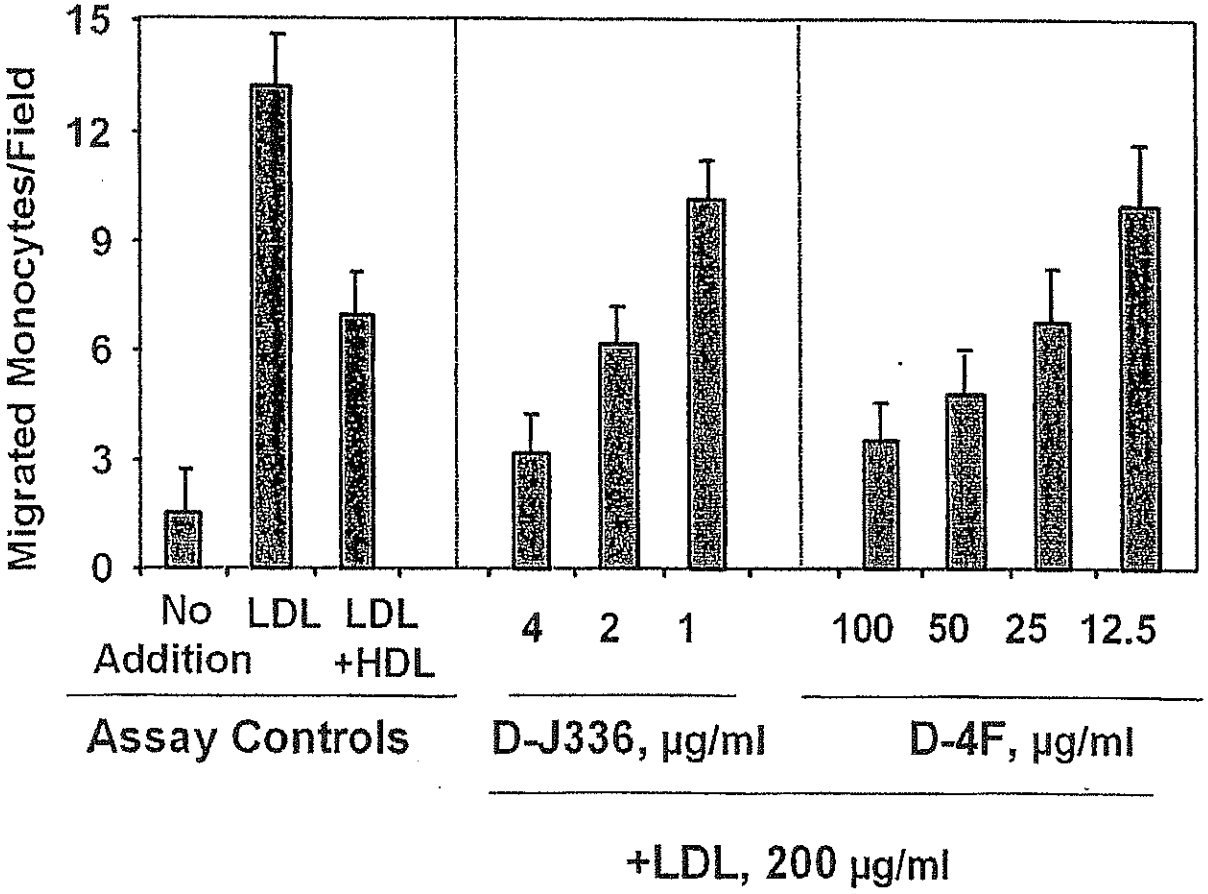

Migrated Monocytes/Field
15
12
9
6
3
0
No Addition
LDL
LDL +HDL
4
2
1
100
50
25
12.5
Assay Controls
D-J336, µg/ml
D-4F, µg/ml
+LDL, 200 µg/ml

Fig. 1

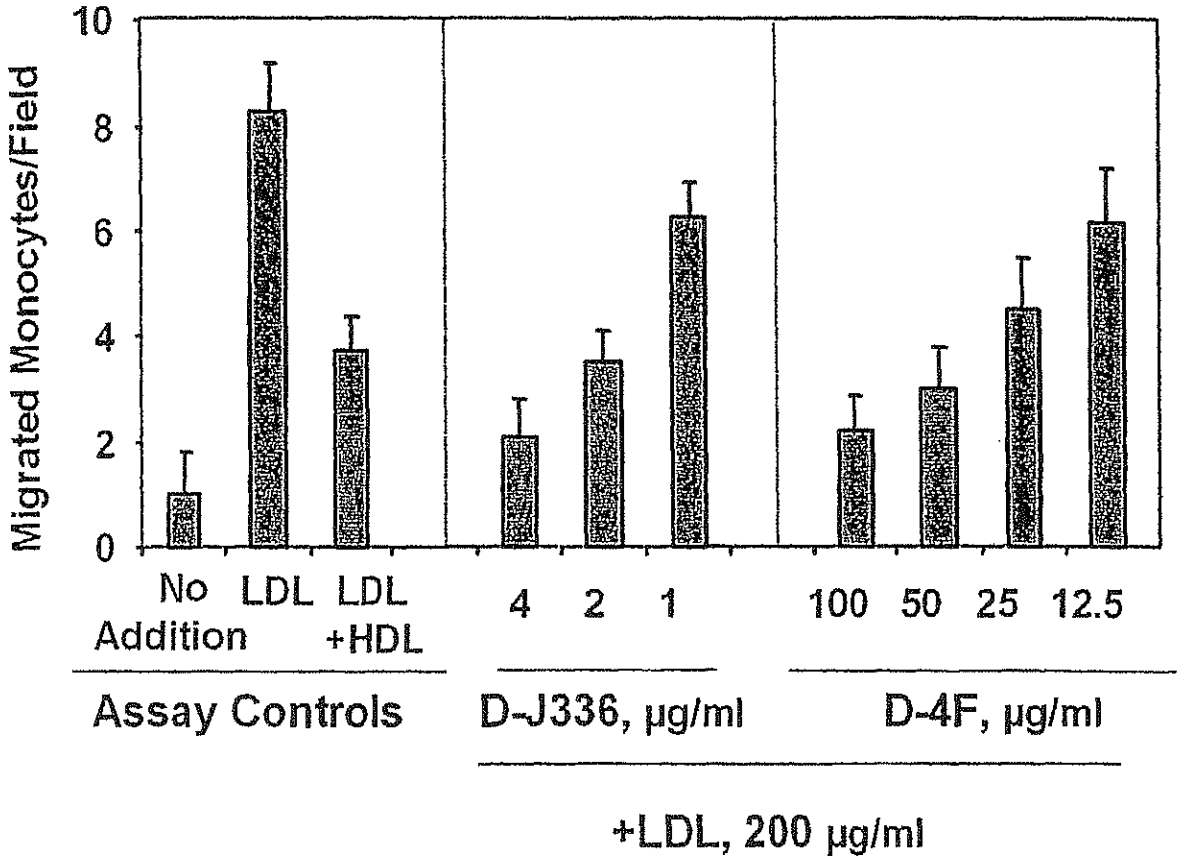

Migrated Monocytes/Field
10
8
6
4
2
0
No Addition
LDL
LDL +HDL
4
2
1
100
50
25
12.5
Assay Controls
D-J336, µg/ml
D-4F, µg/ml
+LDL, 200 µg/ml

Fig. 2

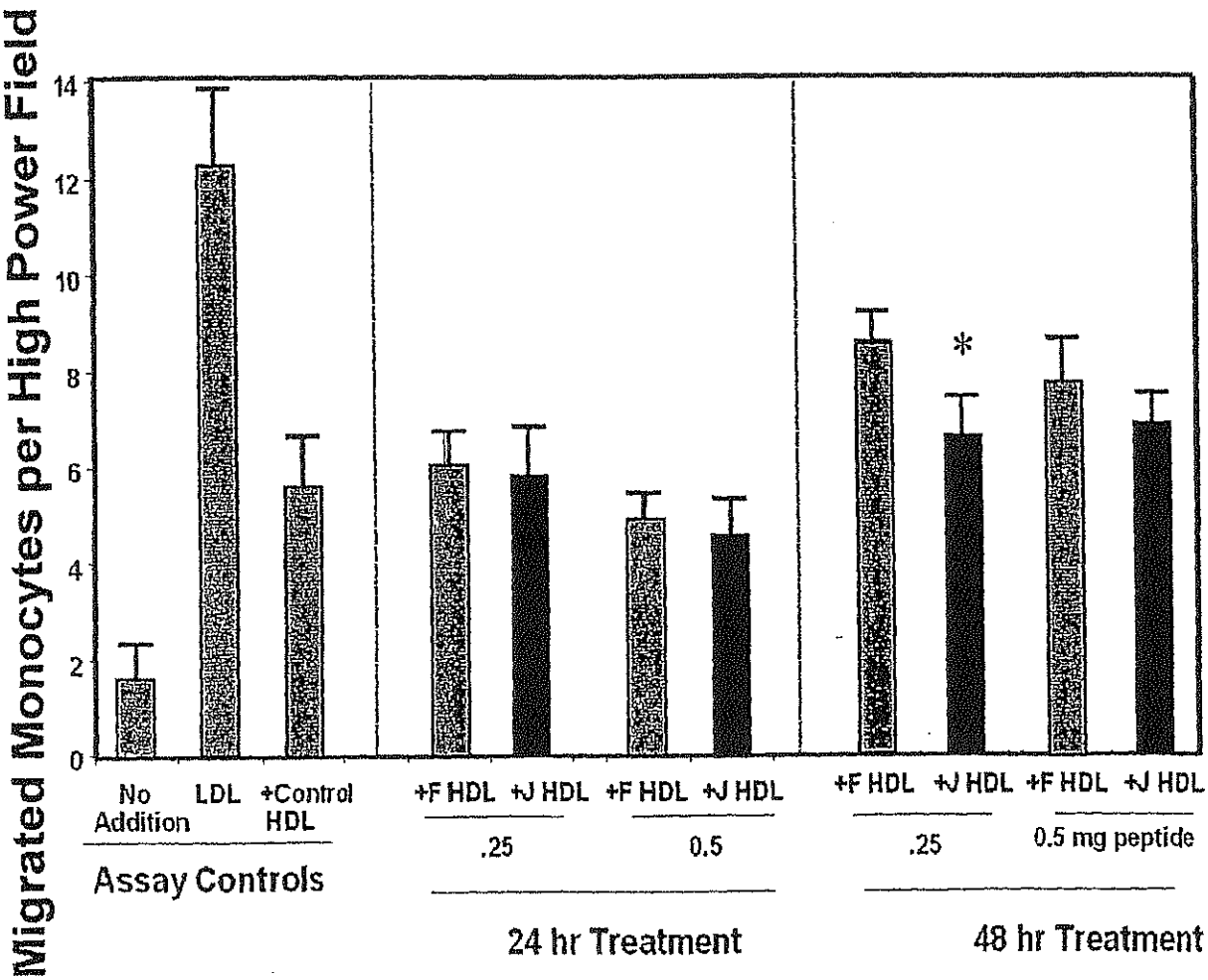

Migrated Monocytes per High Power Field
0
2
4
6
8
10
12
14
*
No Addition
LDL
+Control HDL
+F HDL
+J HDL
+F HDL
+J HDL
+F HDL
+J HDL
+F HDL
+J HDL
.25
0.5
.25
0.5 mg peptide
Assay Controls
24 hr Treatment
48 hr Treatment

Fig. 3

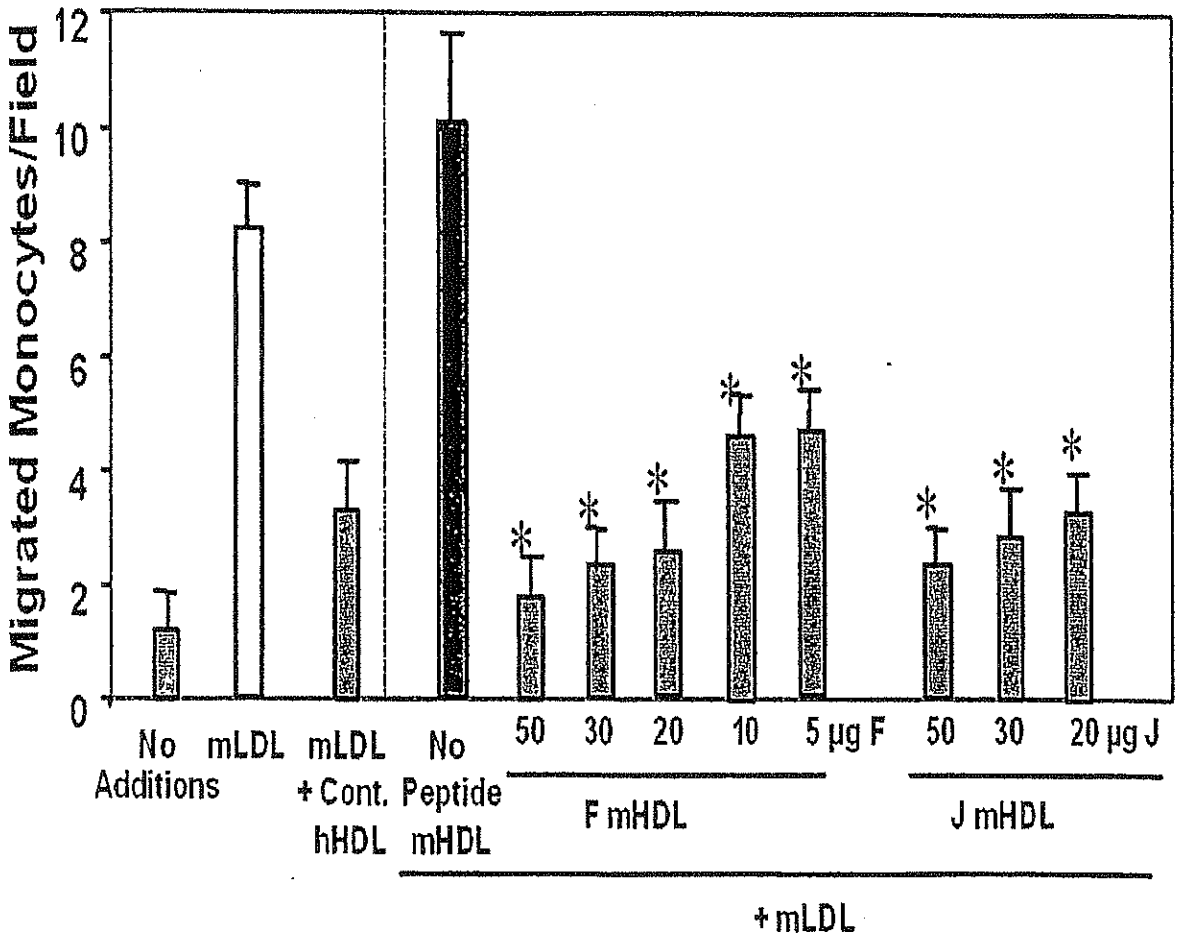

Migrated Monocytes/Field
0
2
4
6
8
10
12
No Additions
mLDL
mLDL + Cont. hHDL
No Peptide mHDL
50
30
20
10
5 µg F
50
30
20 µg J
F mHDL
J mHDL
+ mLDL

Fig. 4

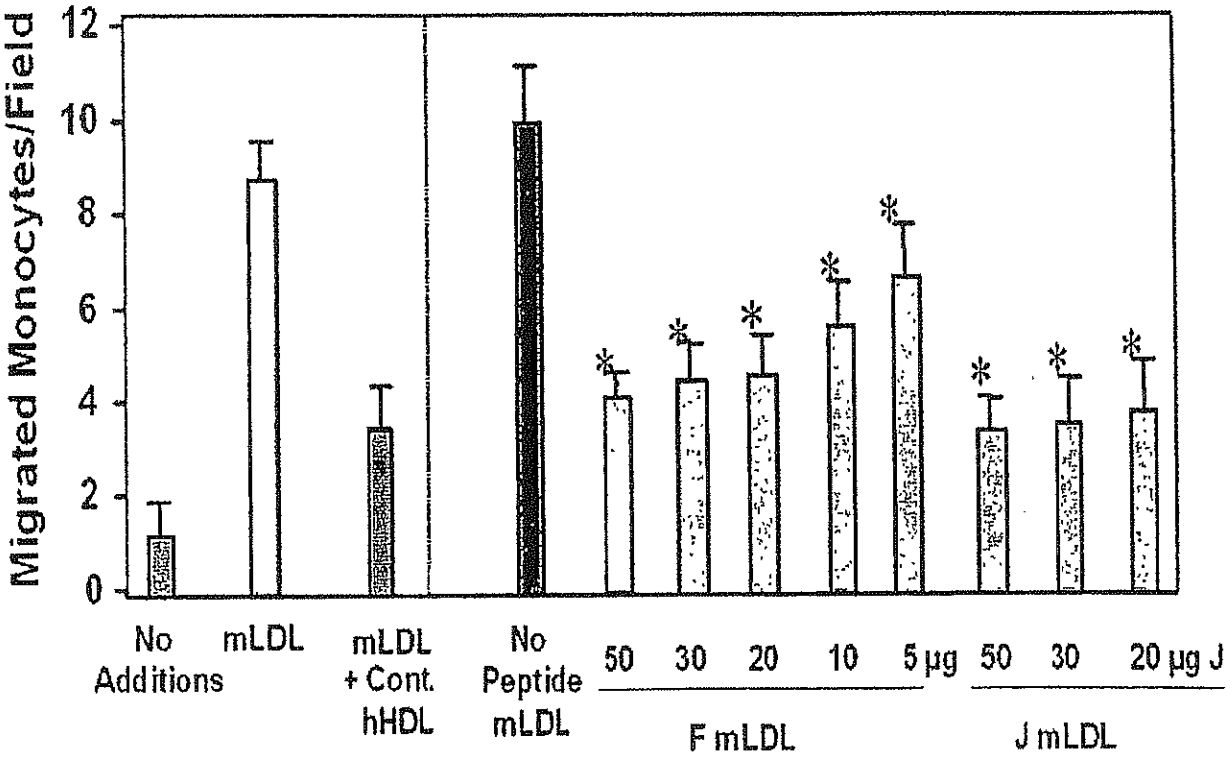

Migrated Monocytes/Field
0
2
4
6
8
10
12
No Additions
mLDL
mLDL + Cont. hHDL
No Peptide mLDL
50
30
20
10
5 µg
50
30
20 µg J
F mLDL
J mLDL

Fig. 5

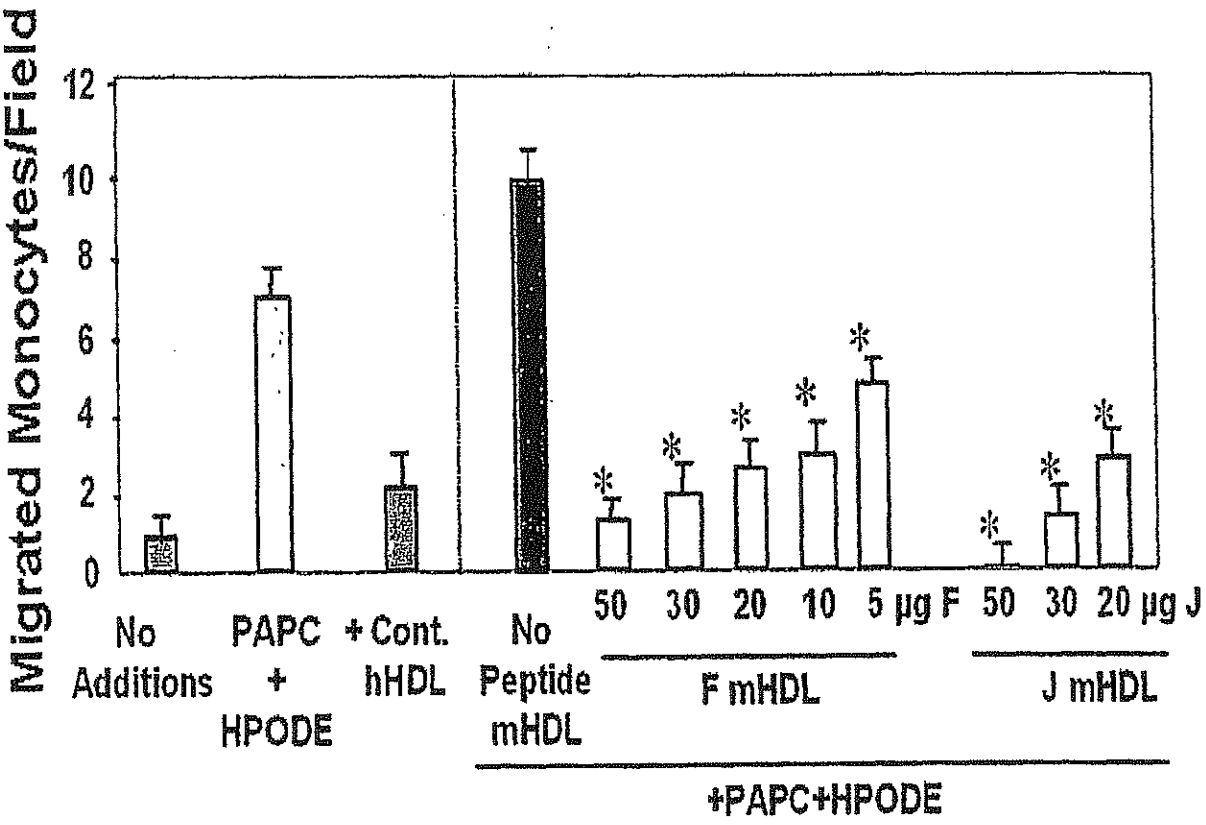

Migrated Monocytes/Field
12
10
8
6
4
2
0
No Additions
PAPC + HPODE
+ Cont. hHDL
No Peptide mHDL
50
30
20
10
5 µg F
50
30
20 µg J
F mHDL
J mHDL
+PAPC+HPODE

Fig. 6

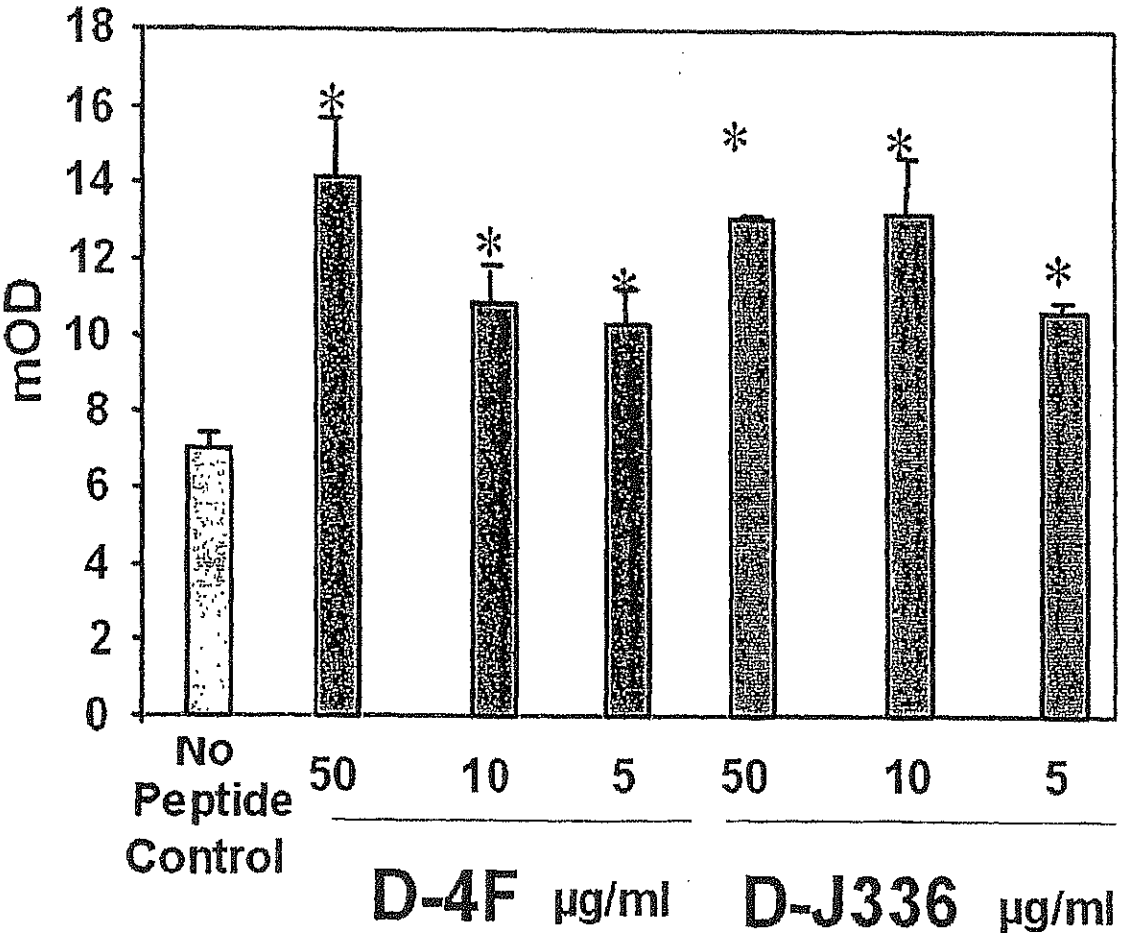

mOD
18
16
14
12
10
8
6
4
2
0
No Peptide Control
50
10
5
50
10
5
D-4F µg/ml
D-J336 µg/ml

Fig. 7

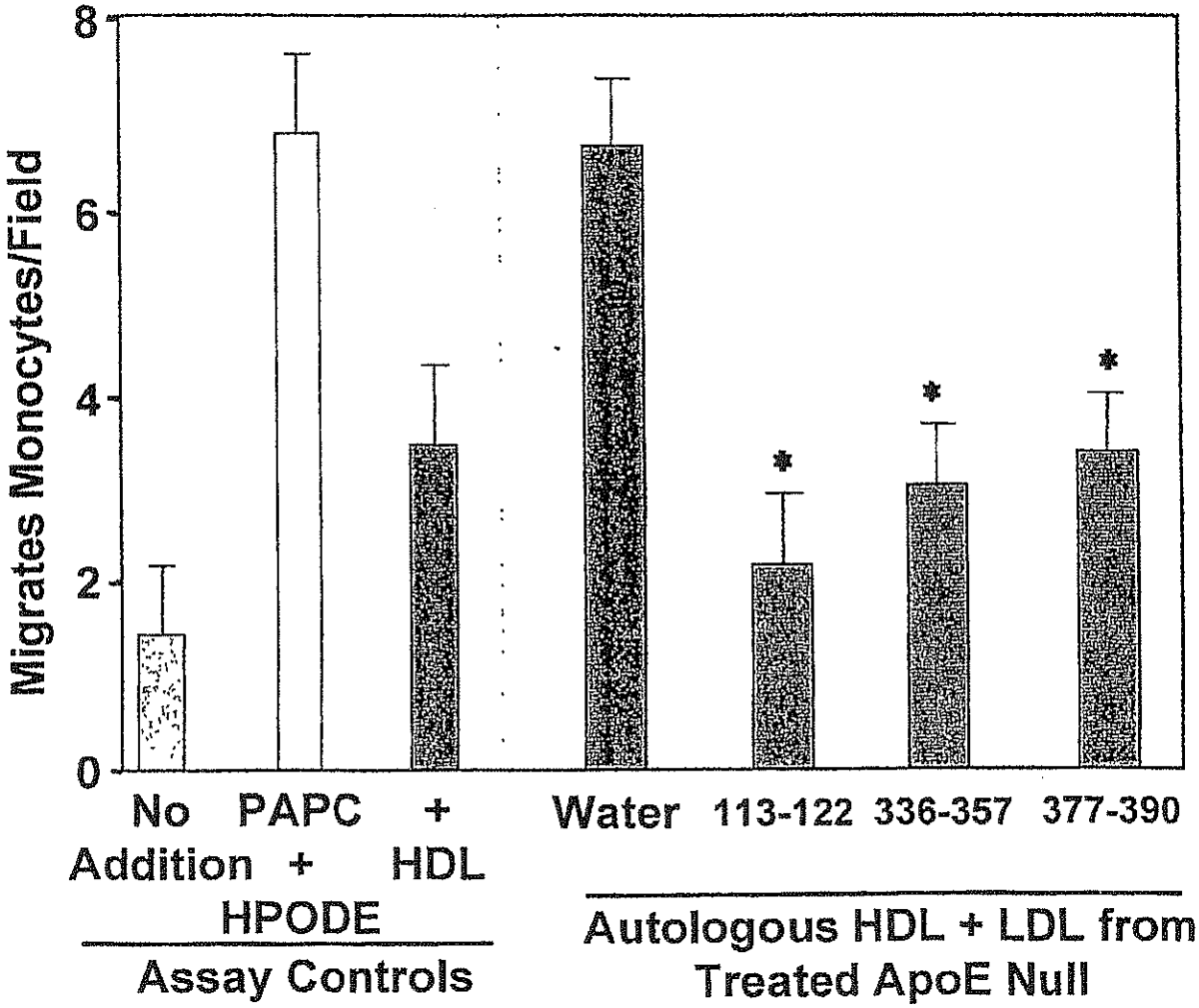

Migrates Monocytes/Field
0
2
4
6
8
No Addition
PAPC + HPODE
HDL
Water
113-122
336-357
377-390
Assay Controls
Autologous HDL + LDL from Treated ApoE Null

Fig. 8

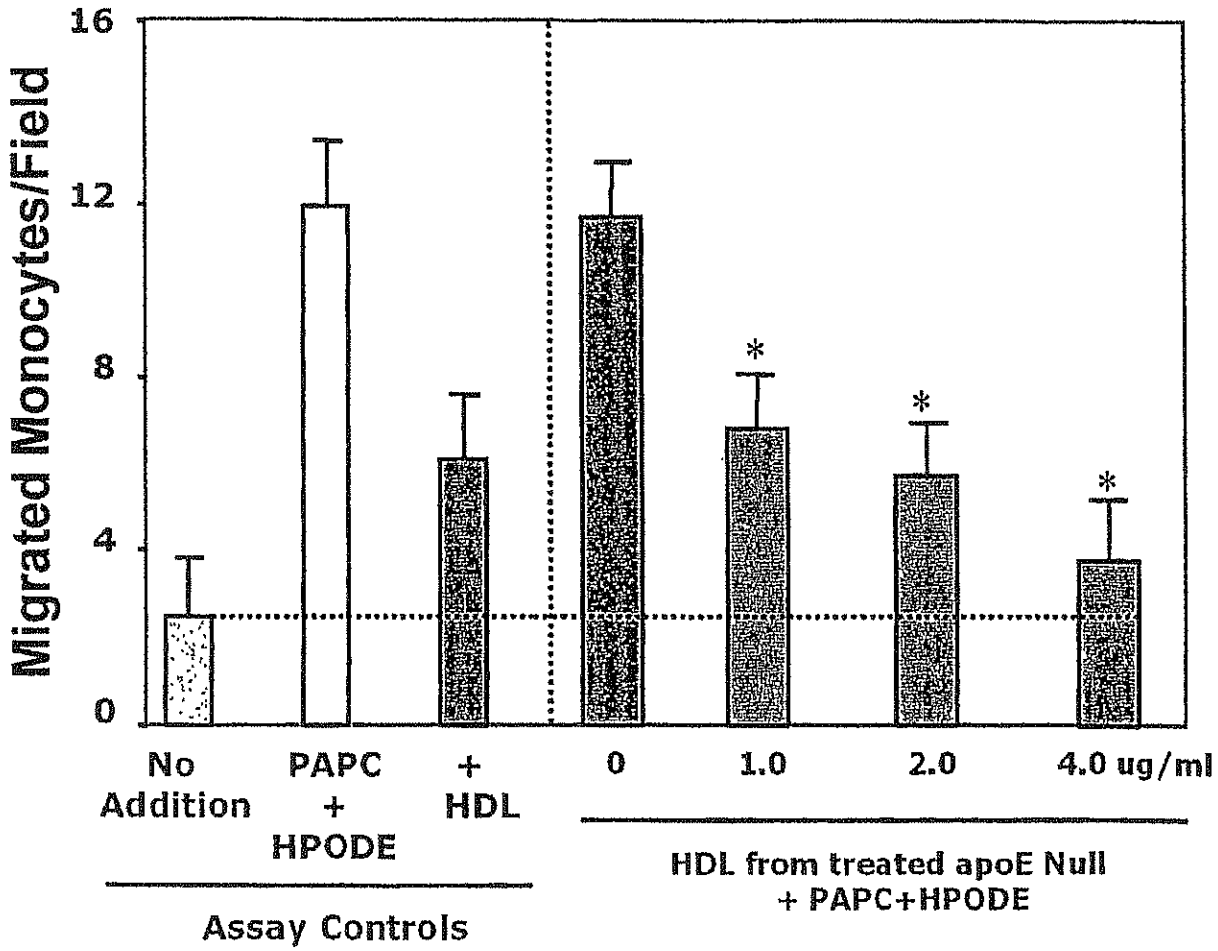
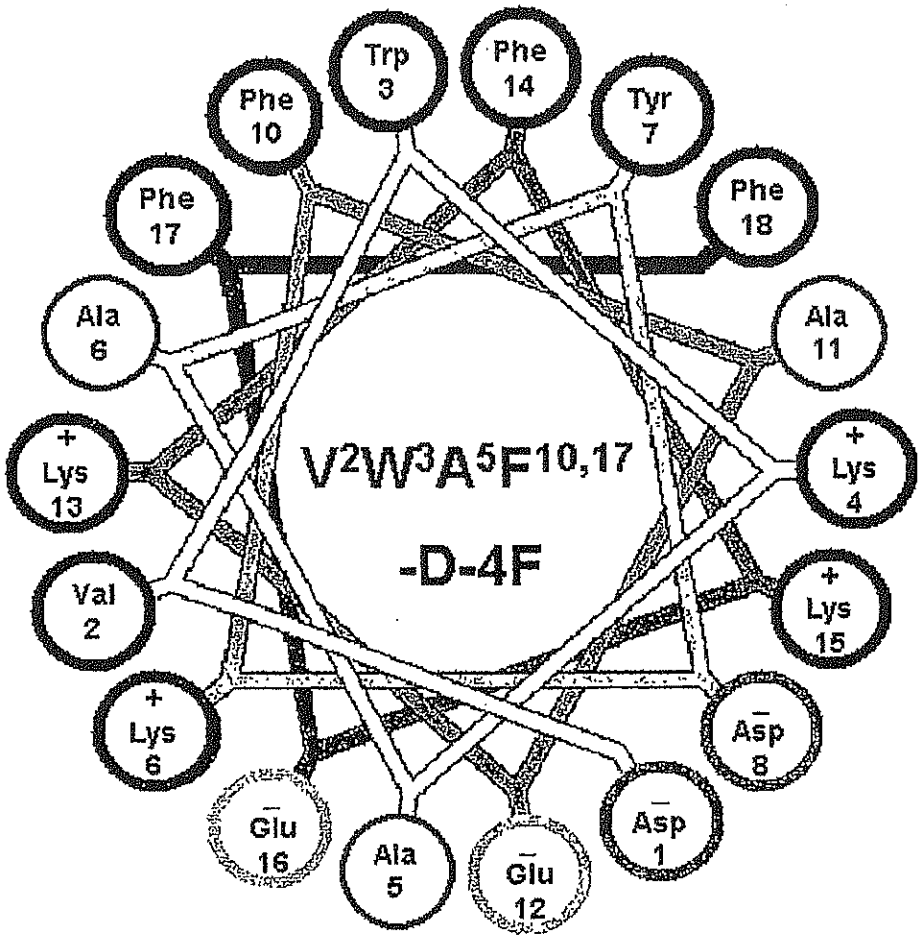

Migrated Monocytes/Field
16
12
8
4
0
*
*
*
No Addition
PAPC + HPODE
+ HDL
0
1.0
2.0
4.0 ug/ml
Assay Controls
HDL from treated apoE Null + PAPC+HPODE

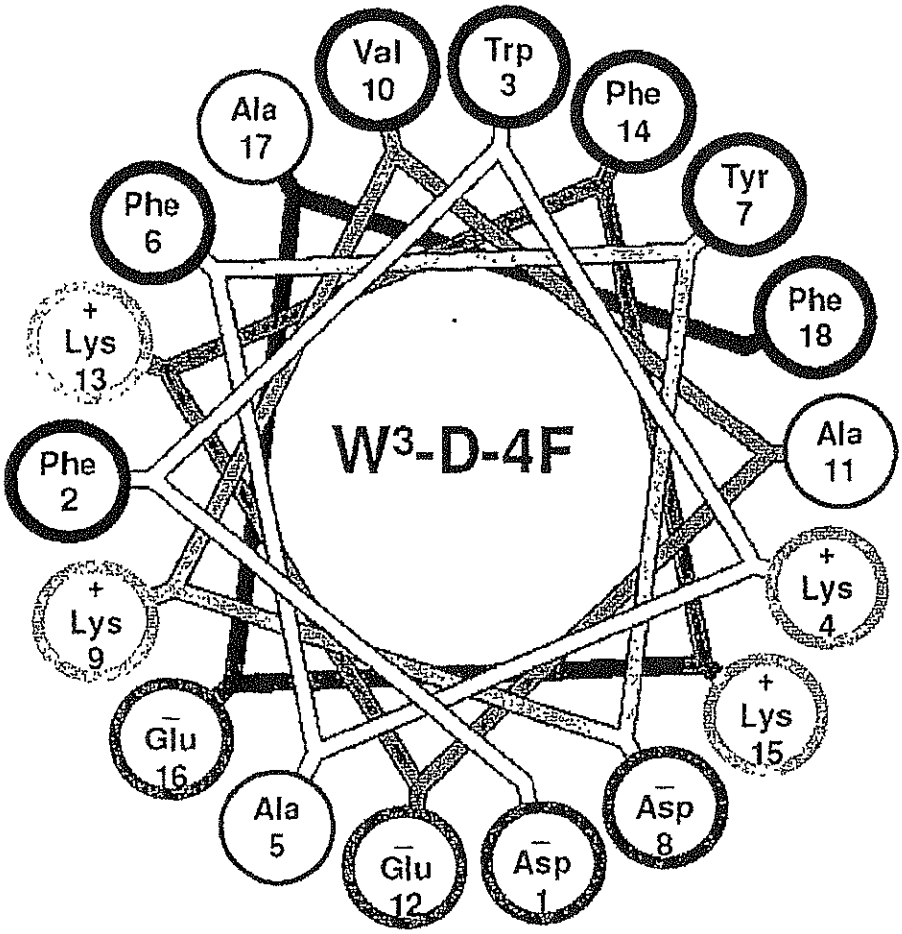
Fig. 9



Hydrophobic moment/residue = 2.923986
Hydrophobicity/residue of the nonpolar face = 2.850000

Fig. 10A

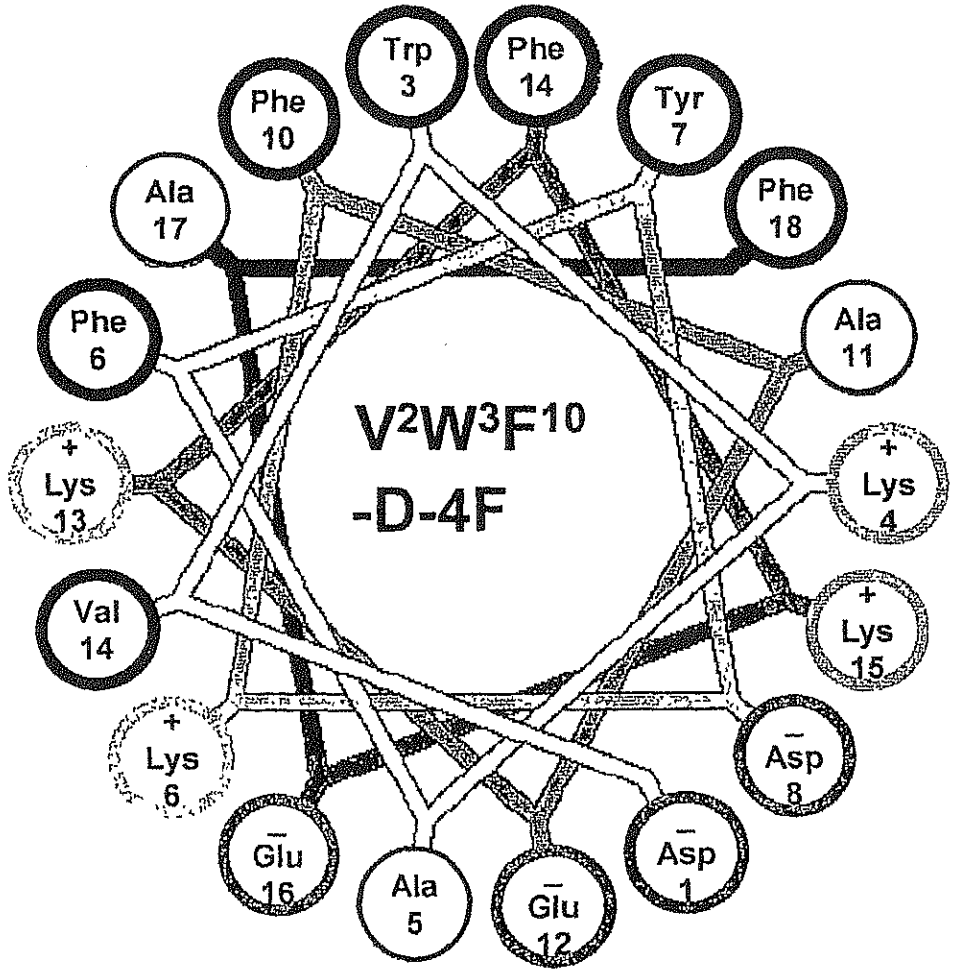
```
-           +                                   -     +
Asp • Phe • Lys • Ala • Phe • Tyr • Asp • Lys Val
      -     +           +     -
Ala • Glu • Lys • Phe • Lys • Glu • Ala • Phe
```



Hydrophobic moment/residue = 2.812078
Hydrophobicity/residue of the nonpolar face = 2.0500007

Fig. 10B

```
 -                   +                       -
Asp • Val • Trp • Lys • Ala • Phe  • Tyr • Asp
 +             -     +           +     -
Lys • Ala • Glu • Lys • Phe • Lys • Glu • Ala • Phe
```



Hydrophobicity/residue of the nonnpolar face = 2.233333

Fig. 10C

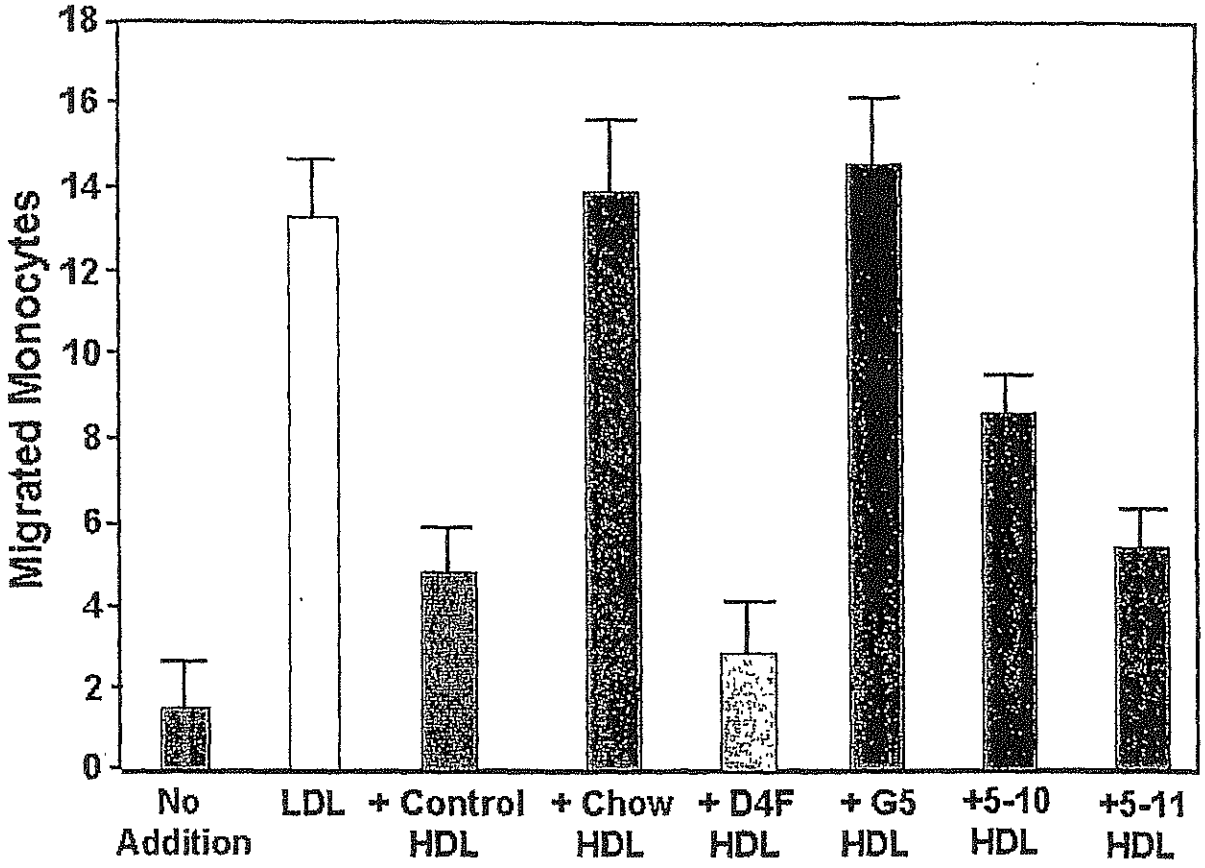

Migrated Monocytes
18
16
14
12
10
8
6
4
2
0
No Addition
LDL
+ Control HDL
+ Chow HDL
+ D4F HDL
+ G5 HDL
+5-10 HDL
+5-11 HDL

Fig. 11

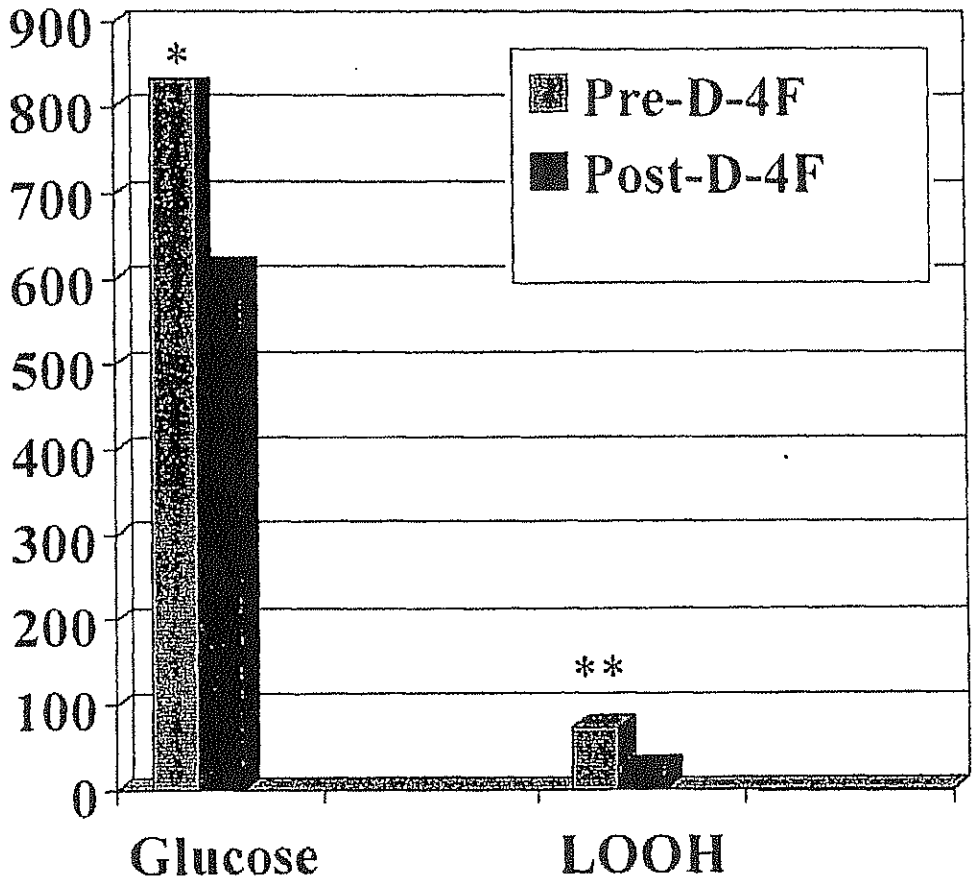

900
800
700
600
500
400
300
200
100
0
*
**
Pre-D-4F
Post-D-4F
Glucose
LOOH

Fig. 12

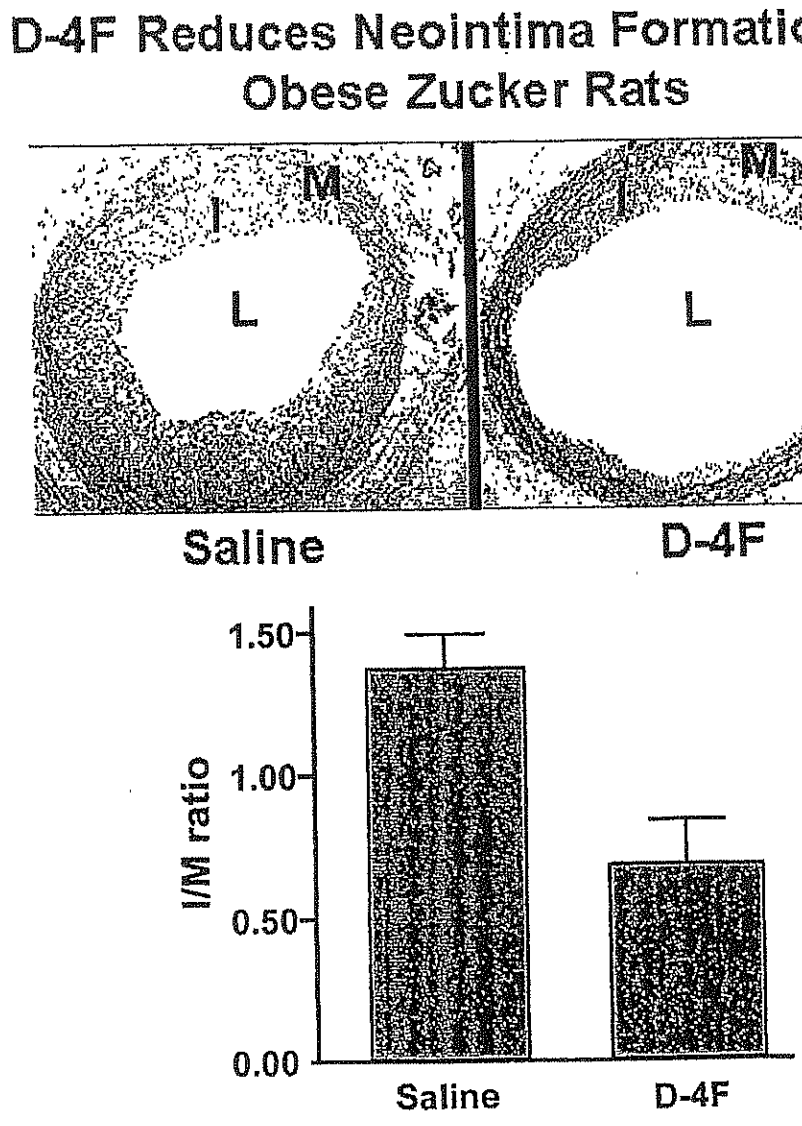

D-4F Reduces Neointima Formation in Obese Zucker Rats
M
I
L
M
I
L
Saline
D-4F
1.50
1.00
0.50
0.00
I/M ratio
Saline
D-4F

Fig. 13

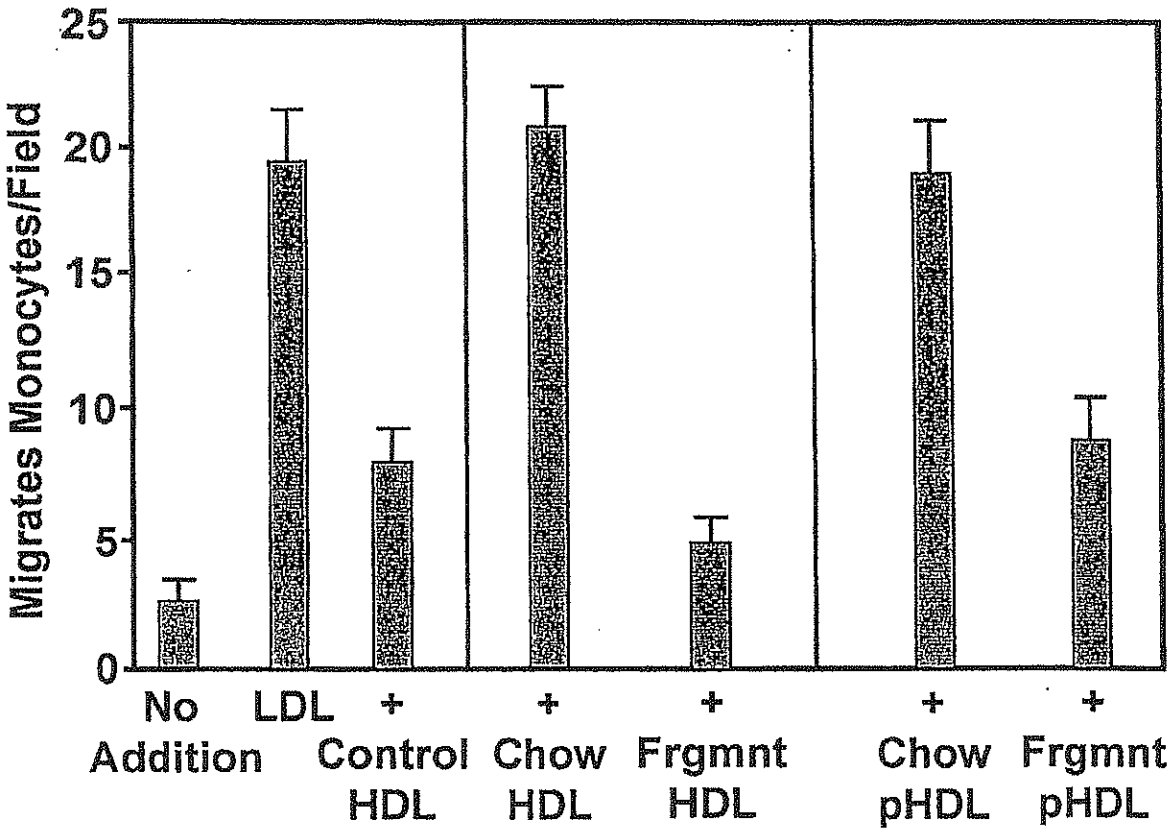
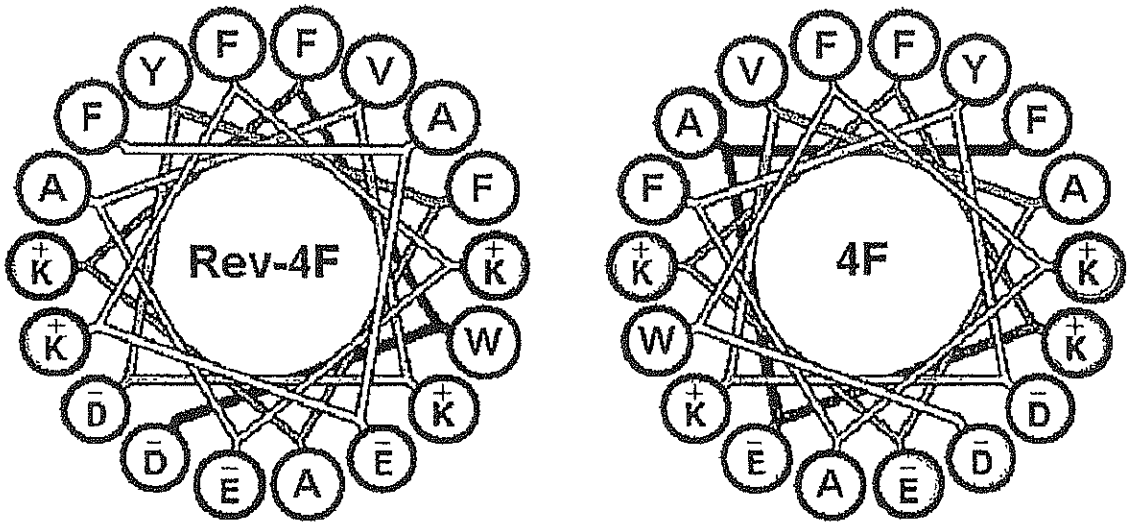

Migrates Monocytes/Field
25
20
15
10
5
0
No Addition
LDL
+ Control HDL
+ Chow HDL
+ Frgmnt HDL
+ Chow pHDL
+ Frgmnt pHDL

Fig. 14



FAEKFKEAVKDYFAKFWD DWFKAFYDKVAEKFKEAF

Fig. 15

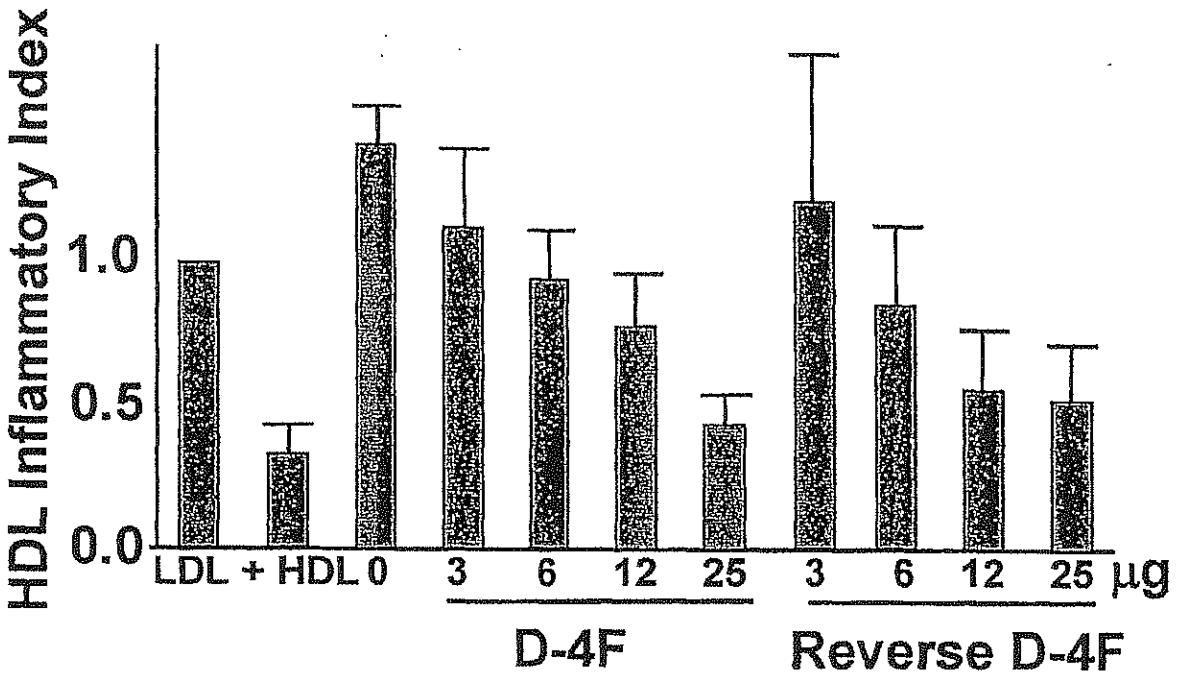

HDL Inflammatory Index
1.0
0.5
0.0
LDL + HDL 0
3
6
12
25
3
6
12
25
µg
D-4F
Reverse D-4F

Fig. 16