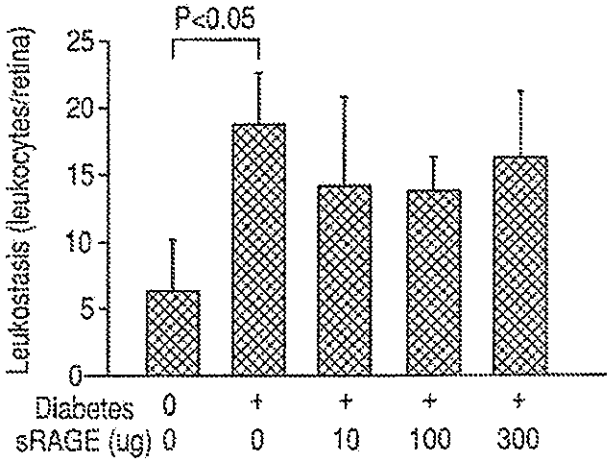

P<0.05
Leukostasis (leukocytes/retina)
25
20
15
10
5
0
Diabetes 0 + + + +
sRAGE (ug) 0 0 10 100 300

FIG. 1

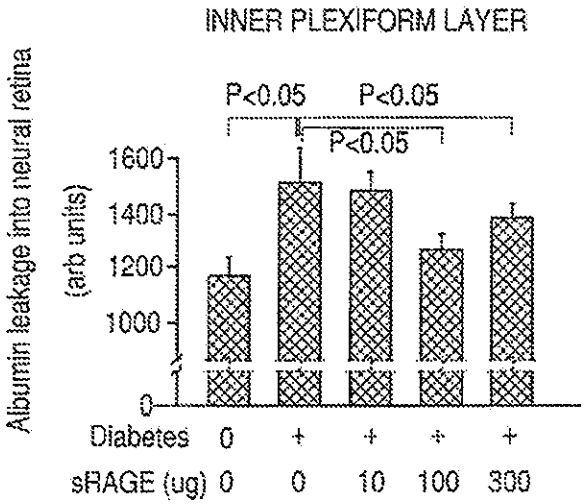

INNER PLEXIFORM LAYER
Albumin leakage into neural retina
(arb units)
P<0.05
P<0.05
P<0.05
1600
1400
1200
1000
0
Diabetes 0 + + + +
sRAGE (ug) 0 0 10 100 300

FIG. 2A

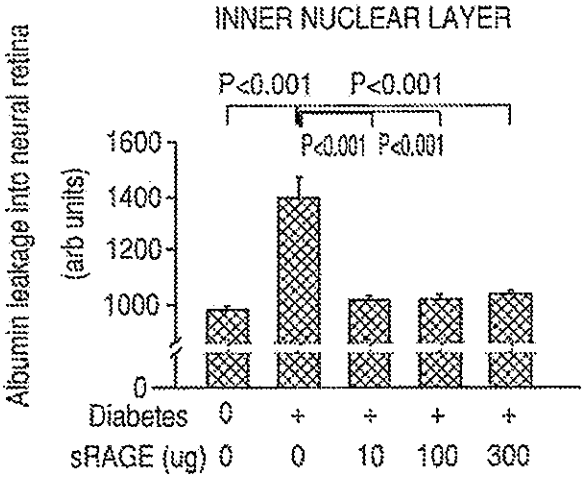

INNER NUCLEAR LAYER
Albumin leakage into neural retina
(arb units)
P<0.001
P<0.001
P<0.001
P<0.001
1600
1400
1200
1000
0
Diabetes 0 + + + +
sRAGE (ug) 0 0 10 100 300

FIG. 2B

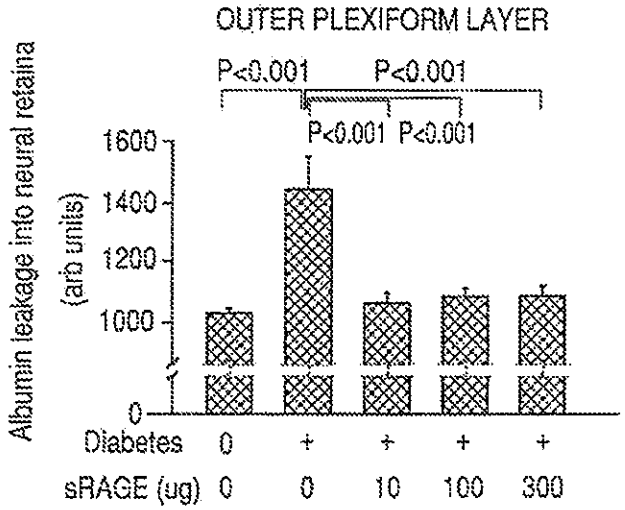

OUTER PLEXIFORM LAYER
P<0.001 P<0.001
P<0.001 P<0.001
Albumin leakage into neural retaina
(arb units)
1600
1400
1200
1000
0
Diabetes 0 + + + +
sRAGE (ug) 0 0 10 100 300

FIG. 2C

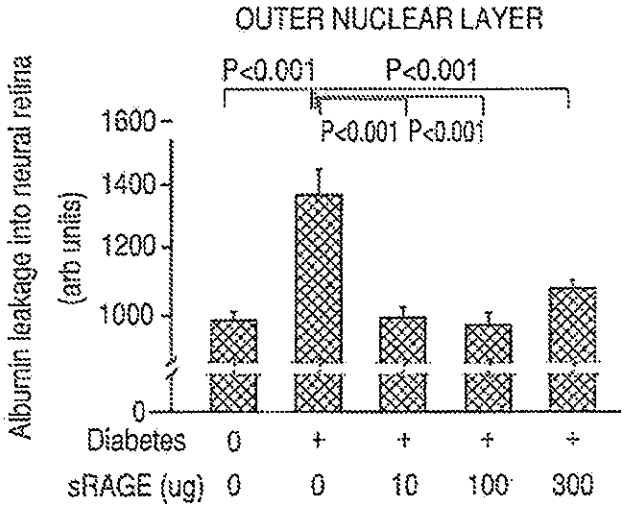

OUTER NUCLEAR LAYER
P<0.001 P<0.001
P<0.001 P<0.001
Albumin leakage into neural retina
(arb units)
1600
1400
1200
1000
0
Diabetes 0 + + + +
sRAGE (ug) 0 0 10 100 300

FIG. 2D

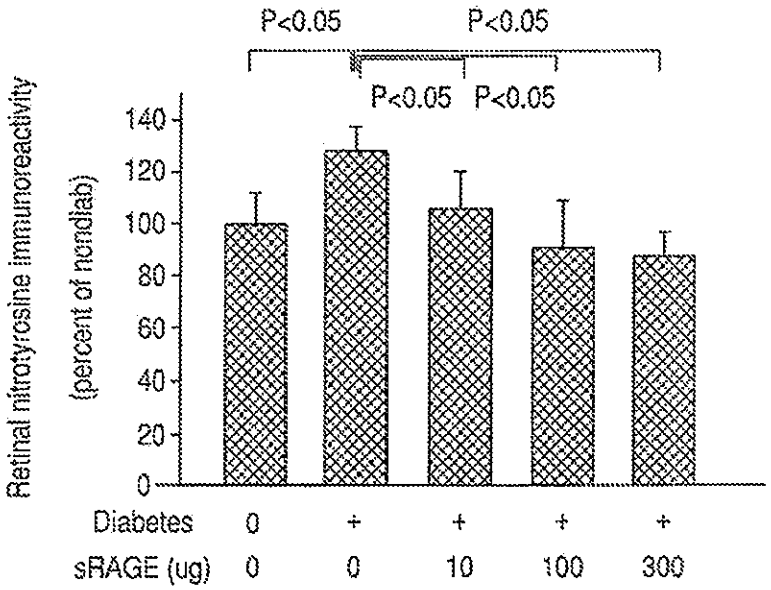

P<0.05
P<0.05
P<0.05
P<0.05
Retinal nitrotyrosine immunoreactivity
(percent of nondiab)
140
120
100
80
60
40
20
0
Diabetes 0 + + + +
sRAGE (ug) 0 0 10 100 300

FIG. 3

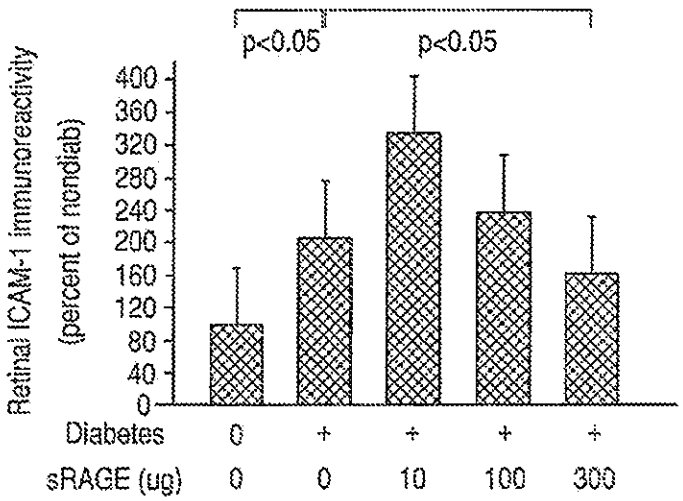

p<0.05
p<0.05
Retinal ICAM-1 immunoreactivity
(percent of nondiab)
400
360
320
280
240
200
160
120
80
40
0
Diabetes 0 + + + +
sRAGE (ug) 0 0 10 100 300

FIG. 4

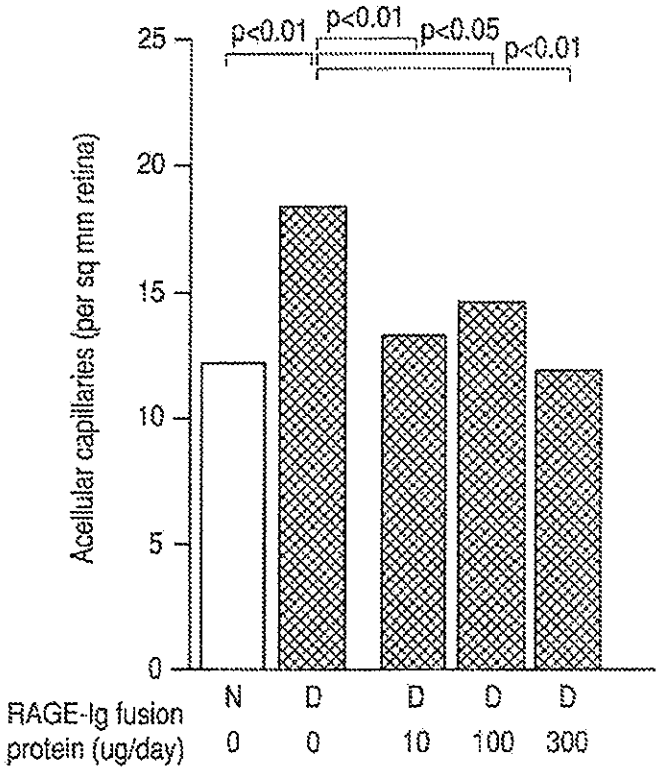

p<0.01
p<0.01
p<0.05
p<0.01
25
20
15
10
5
0
Acellular capillaries (per sq mm retina)
N
D
D
D
D
RAGE-Ig fusion protein (ug/day)
0
0
10
100
300

FIG. 5A

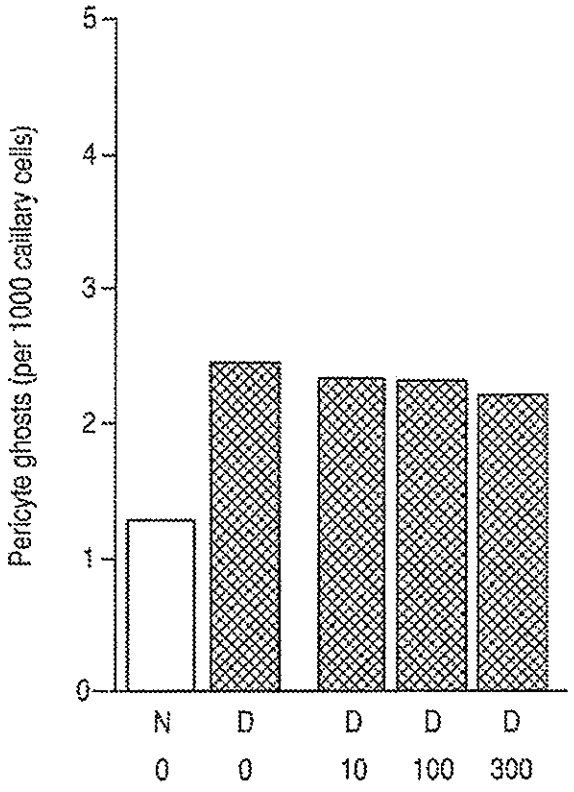

Pericyte ghosts (per 1000 capillary cells)
5
4
3
2
1
0
N
0
D
0
D
10
D
100
D
300

FIG. 5B

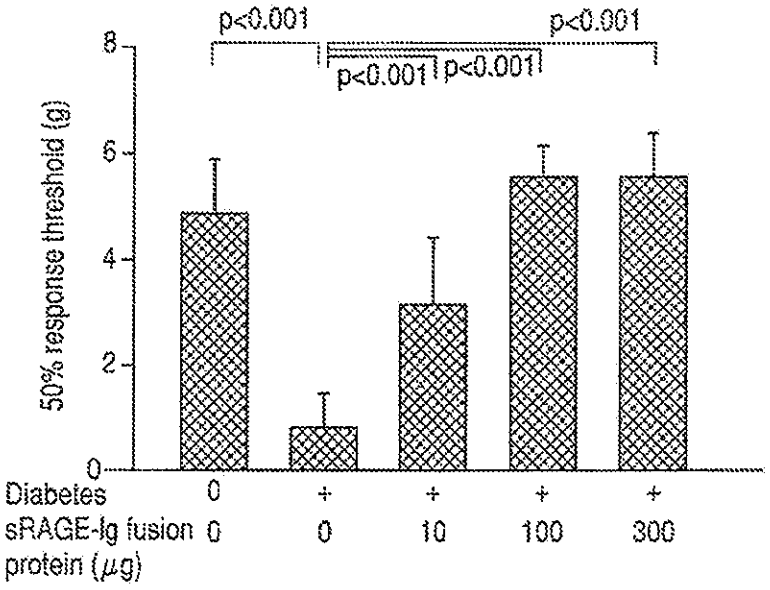

p<0.001
p<0.001
p<0.001
p<0.001
50% response threshold (g)
8
6
4
2
0
Diabetes 0 + + + +
sRAGE-Ig fusion protein (μg) 0 0 10 100 300

FIG. 6

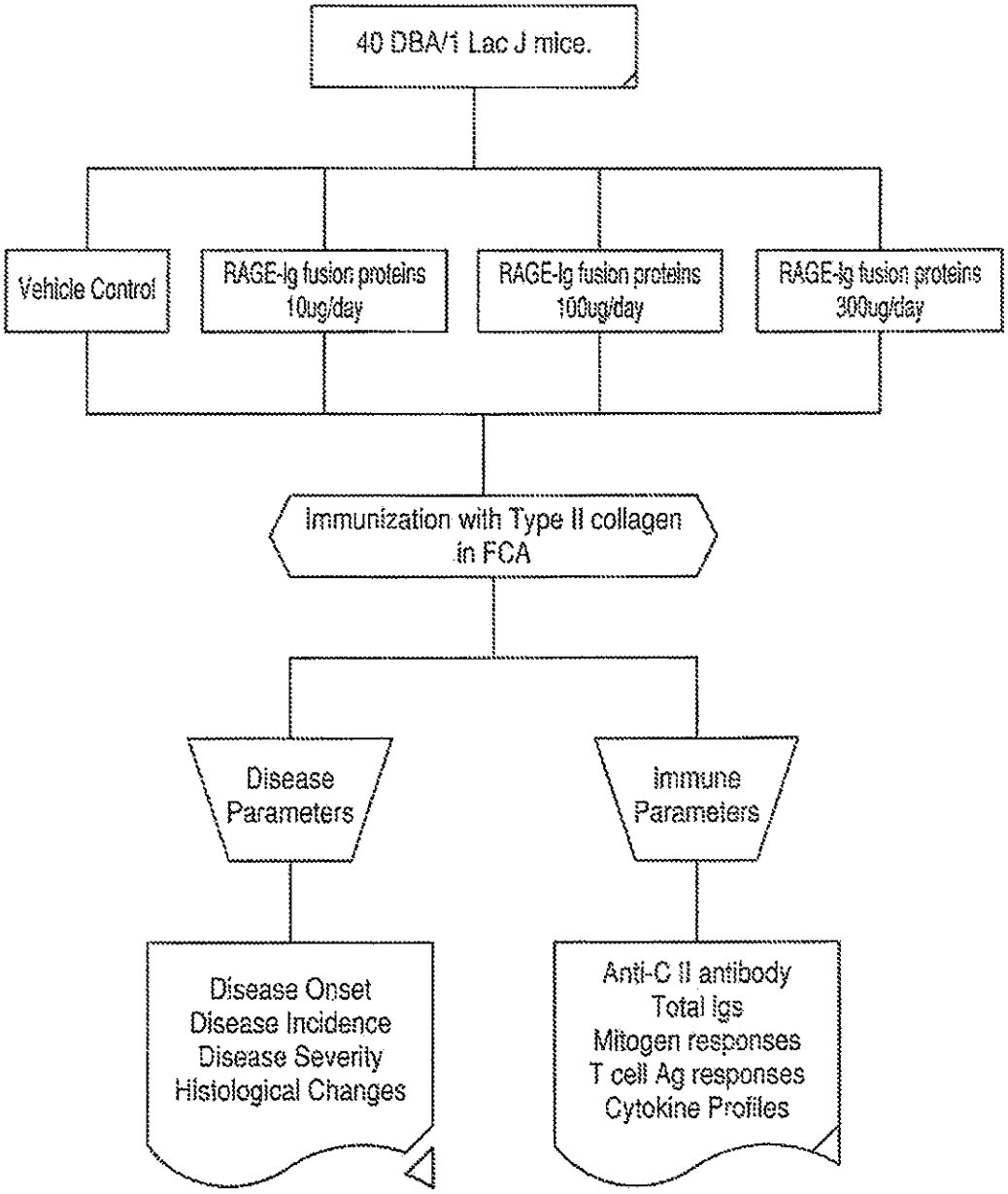

40 DBA/1 Lac J mice.
Vehicle Control
RAGE-Ig fusion proteins 10ug/day
RAGE-Ig fusion proteins 100ug/day
RAGE-Ig fusion proteins 300ug/day
Immunization with Type II collagen in FCA
Disease Parameters
Immune Parameters
Disease Onset
Disease Incidence
Disease Severity
Histiological Changes
Anti-C II antibody
Total Igs
Mitogen responses
T cell Ag responses
Cytokine Profiles

FIG. 7

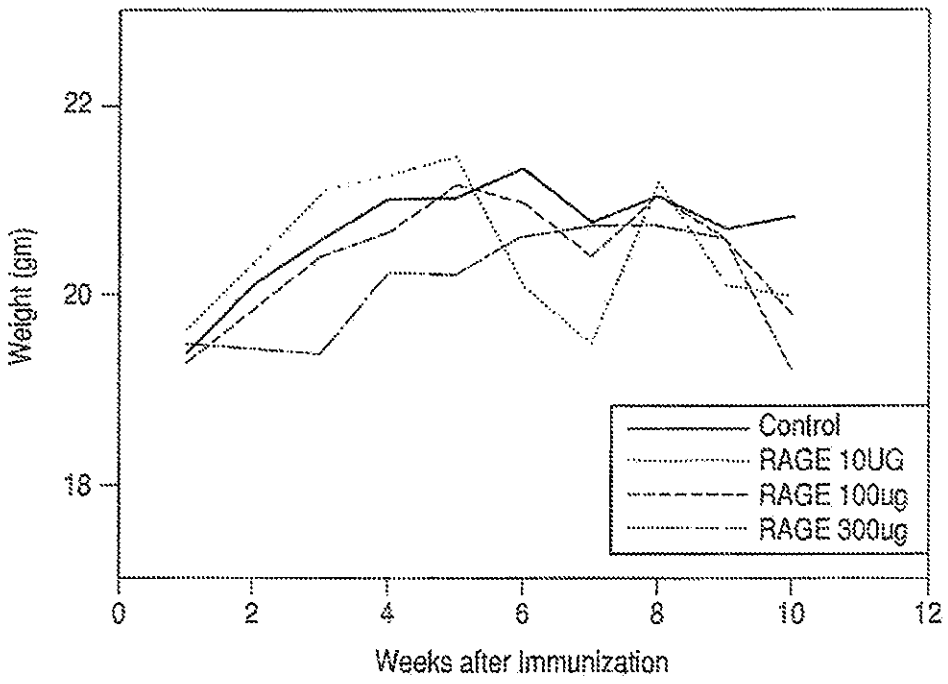

Weight (gm)
22
20
18
0
2
4
6
8
10
12
Weeks after Immunization
Control
RAGE 10UG
RAGE 100ug
RAGE 300ug

FIG. 8

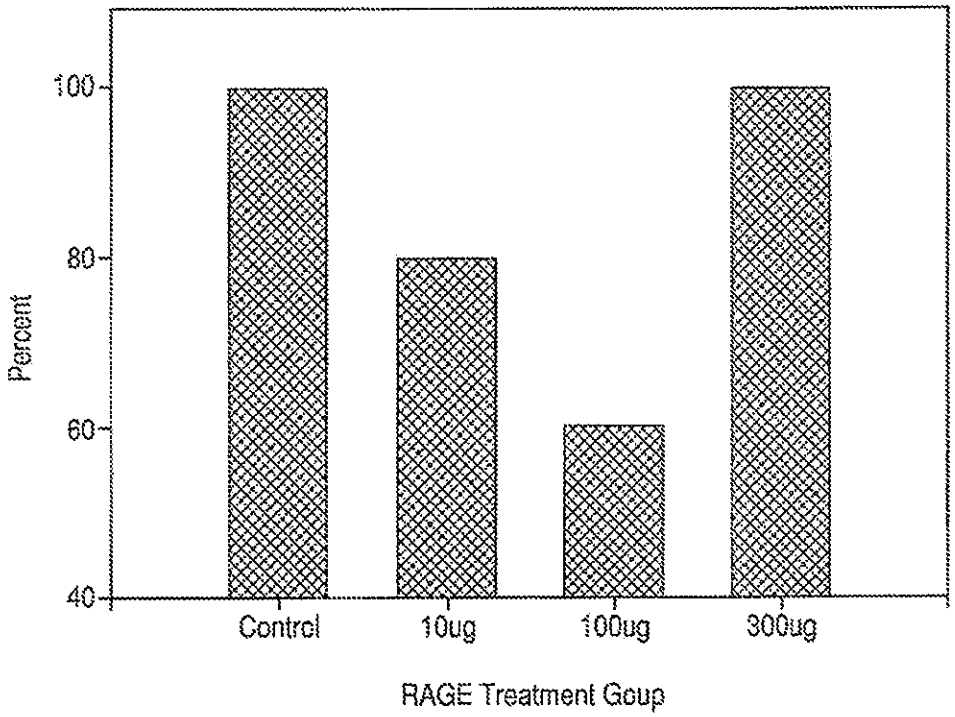

100
80
60
40
Percent
Control
10ug
100ug
300ug
RAGE Treatment Goup

FIG. 9

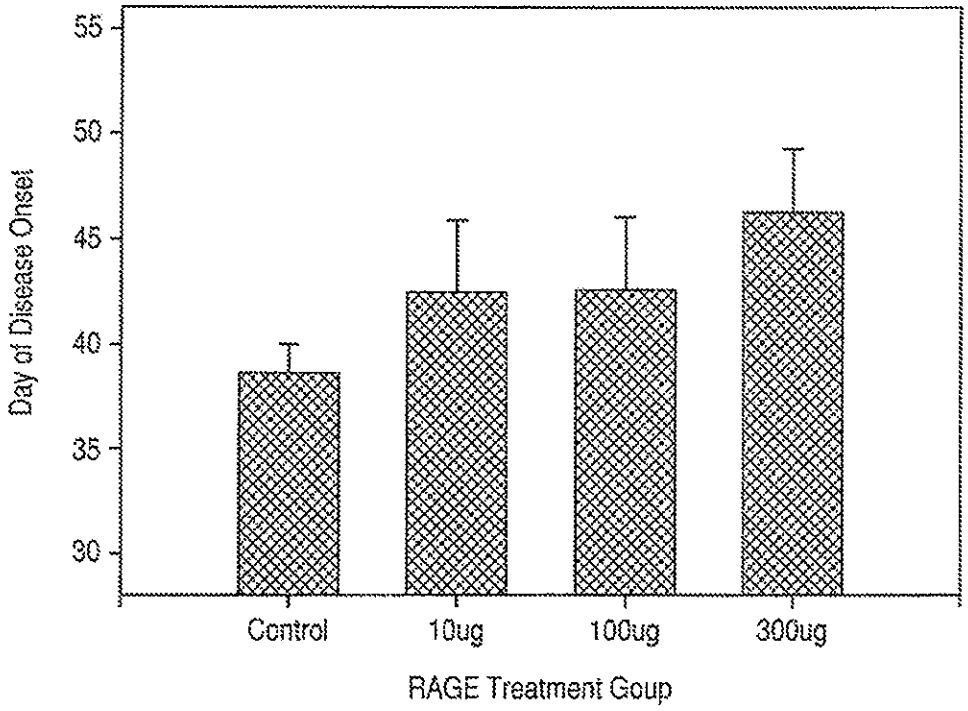

55
50
45
40
35
30
Day of Disease Onset
Control
10ug
100ug
300ug
RAGE Treatment Goup

FIG. 10

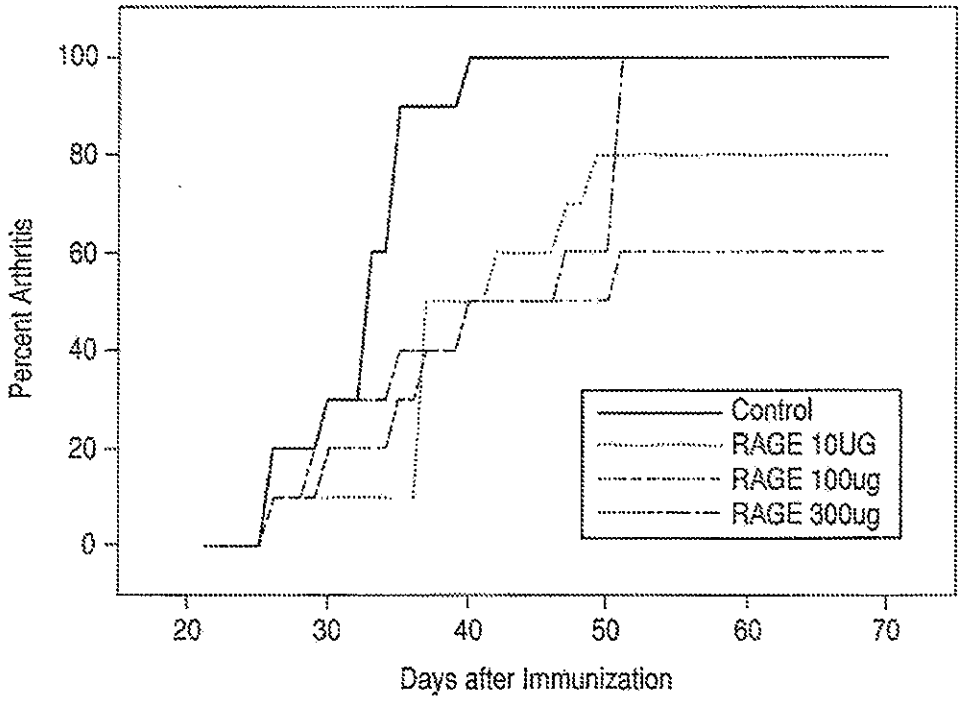

100
80
60
40
20
0
Percent Arthritis
20
30
40
50
60
70
Days after Immunization
Control
RAGE 10UG
RAGE 100ug
RAGE 300ug

FIG. 11

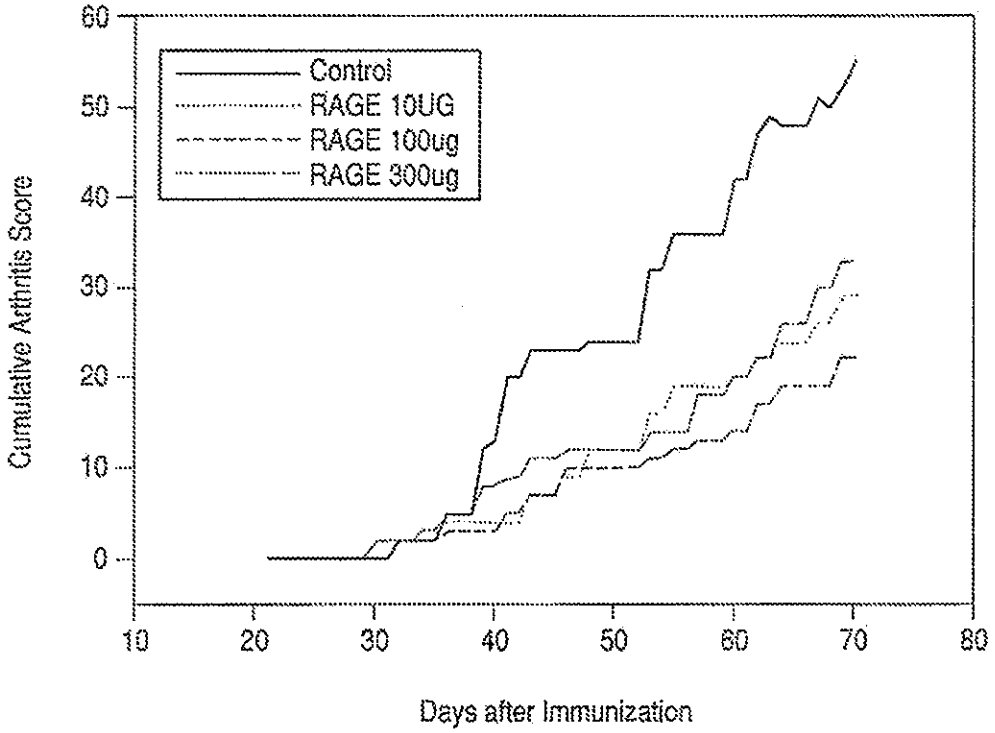

Control
RAGE 10UG
RAGE 100ug
RAGE 300ug
Cumulative Arthritis Score
0
10
20
30
40
50
60
10
20
30
40
50
60
70
80
Days after Immunization

FIG. 12

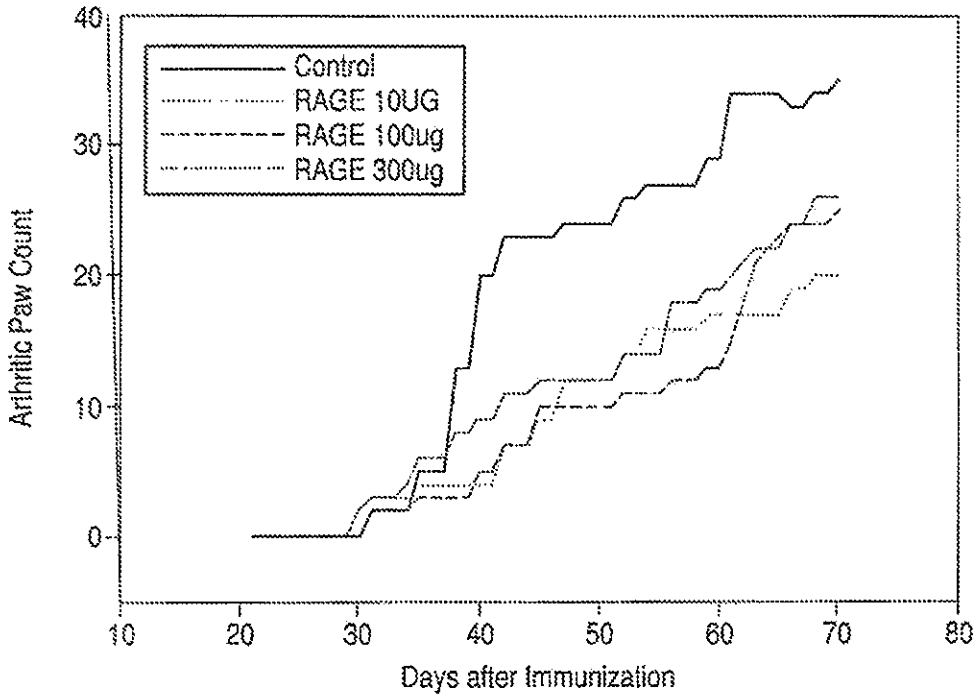

Control
RAGE 10UG
RAGE 100ug
RAGE 300ug
Arthritic Paw Count
0
10
20
30
40
10
20
30
40
50
60
70
80
Days after Immunization

FIG. 13

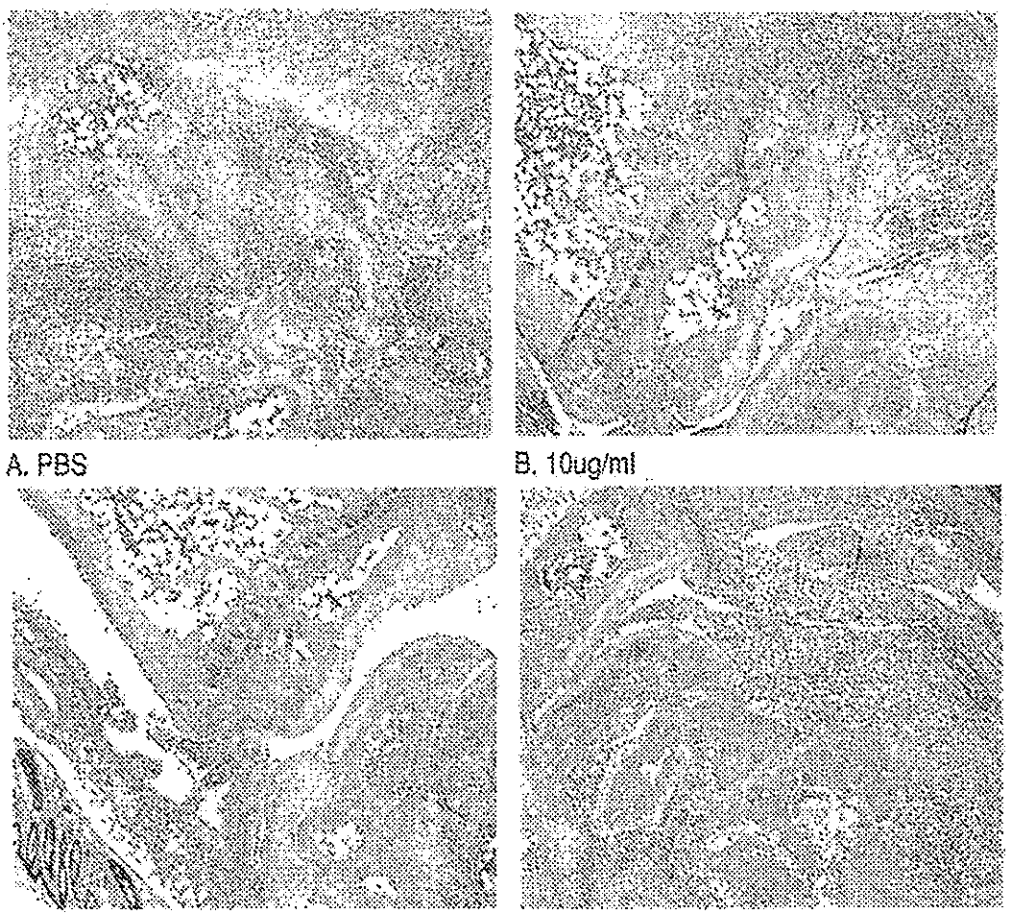


FIG. 14

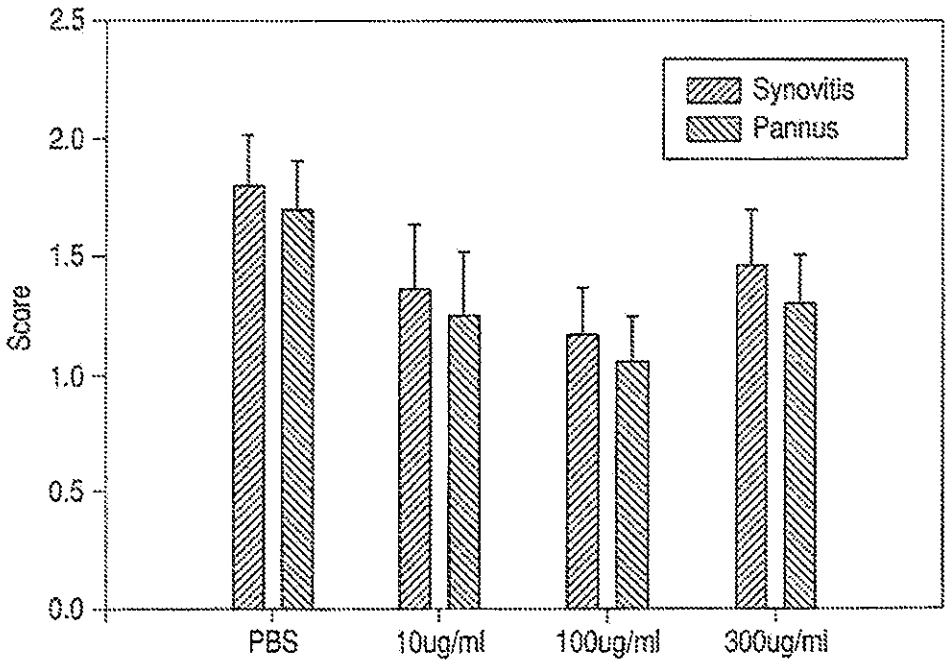

2.5
2.0
1.5
1.0
0.5
0.0
Score
Synovitis
Pannus
PBS
10ug/ml
100ug/ml
300ug/ml

FIG. 15

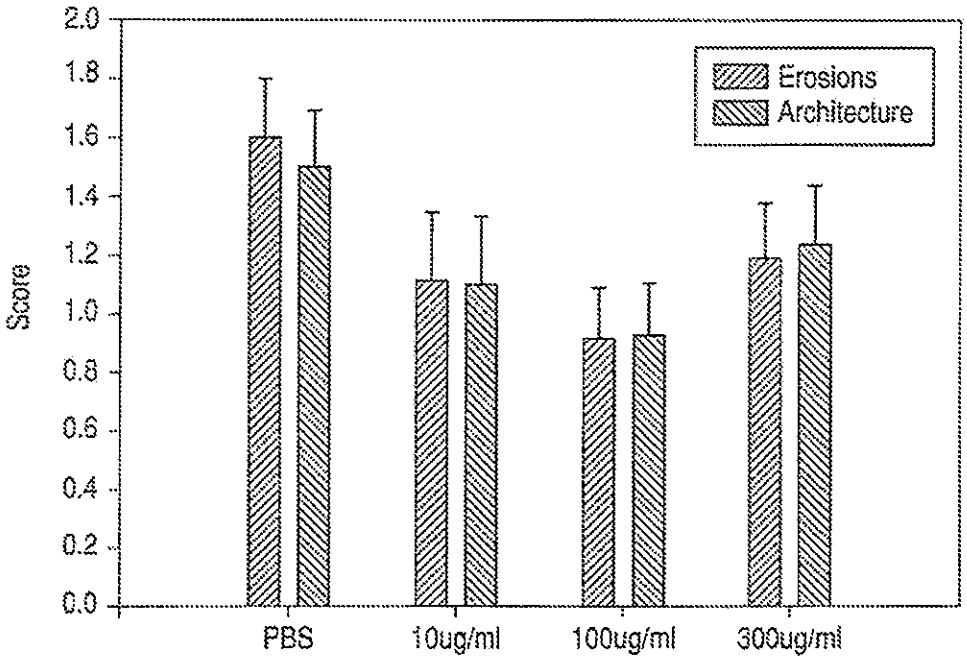

2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Score
Erosions
Architecture
PBS
10ug/ml
100ug/ml
300ug/ml

FIG. 16

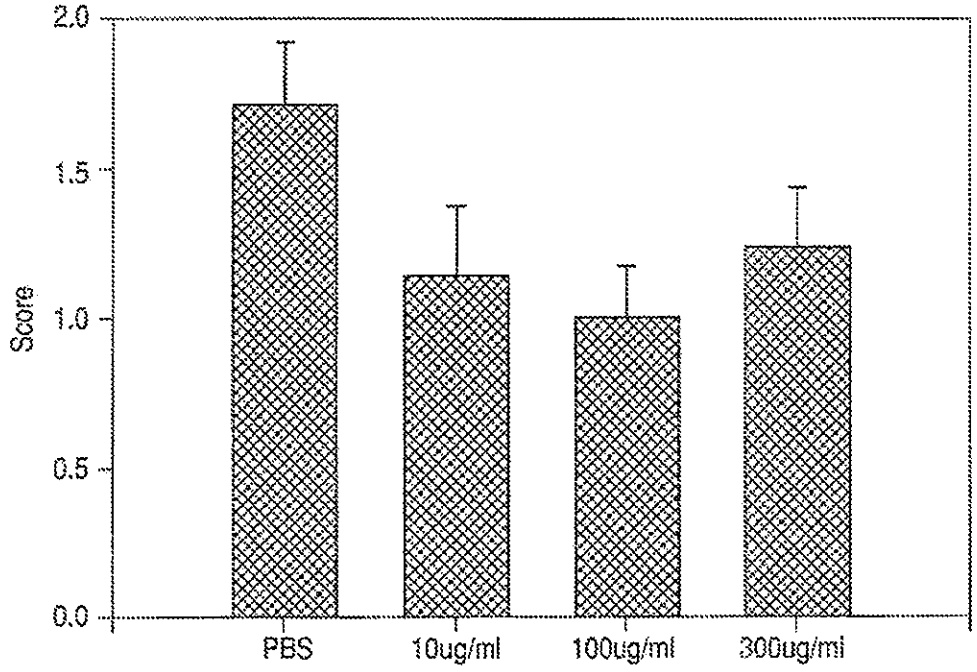


FIG. 17

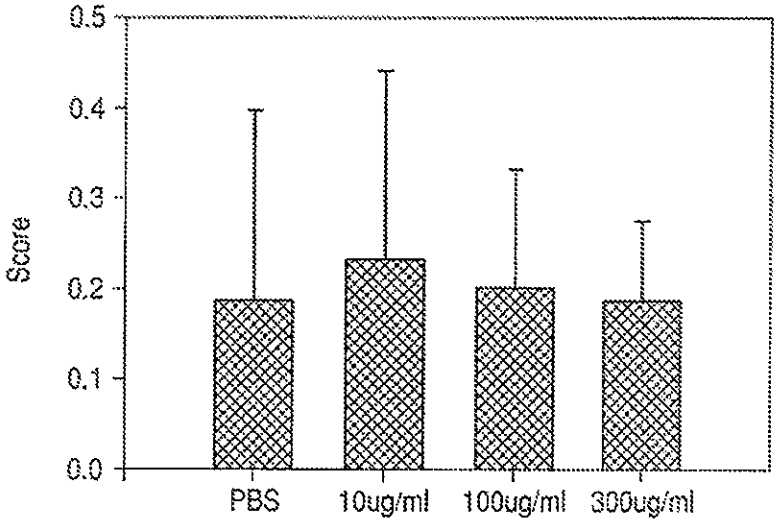


FIG. 18

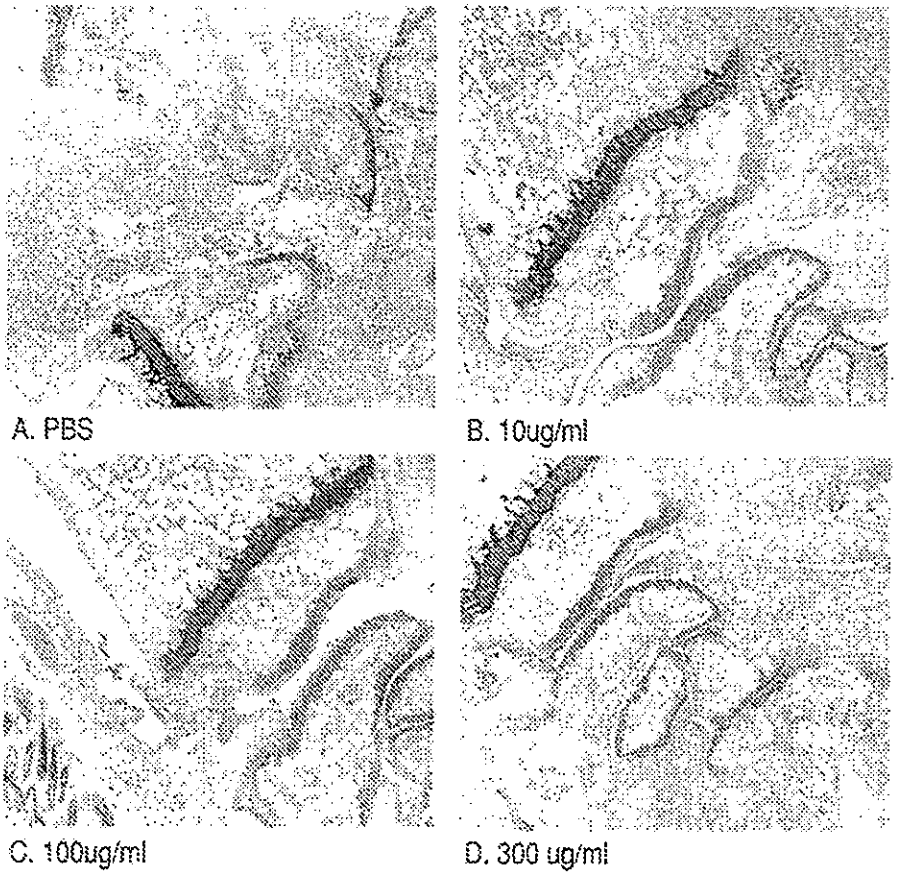


FIG. 19