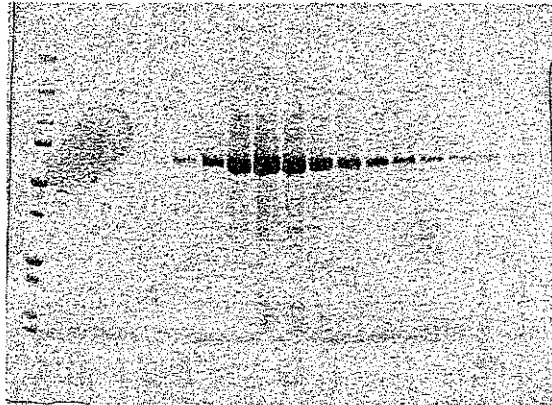
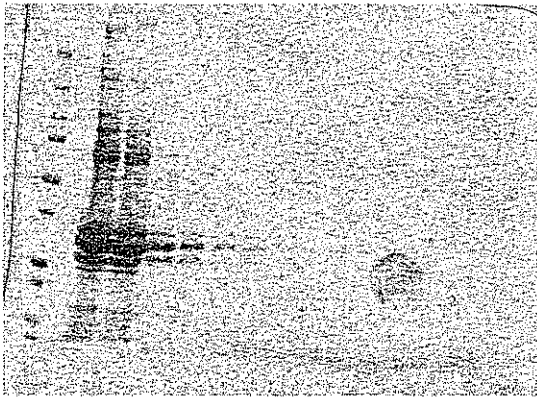


Nickel column-adsorbed fraction



←GST-His-HMGB-1

Heparin column-adsorbed fraction



←HMGB-1

Q column-adsorbed fraction



HMGB-1→

NaCl concentration (20mM→500mM)

Fig. 1

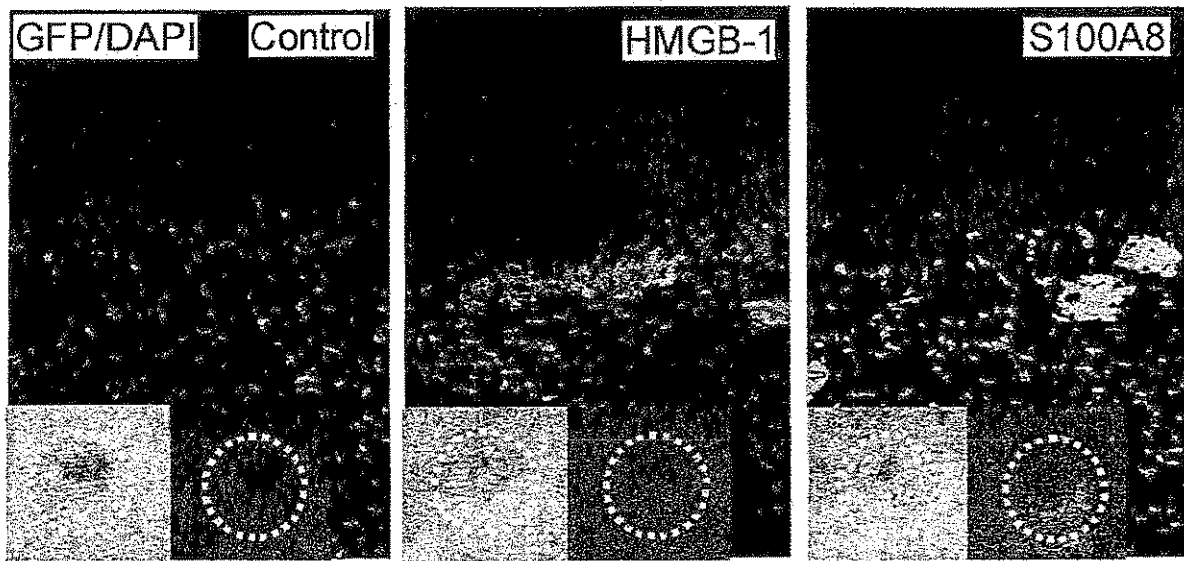


Fig. 2

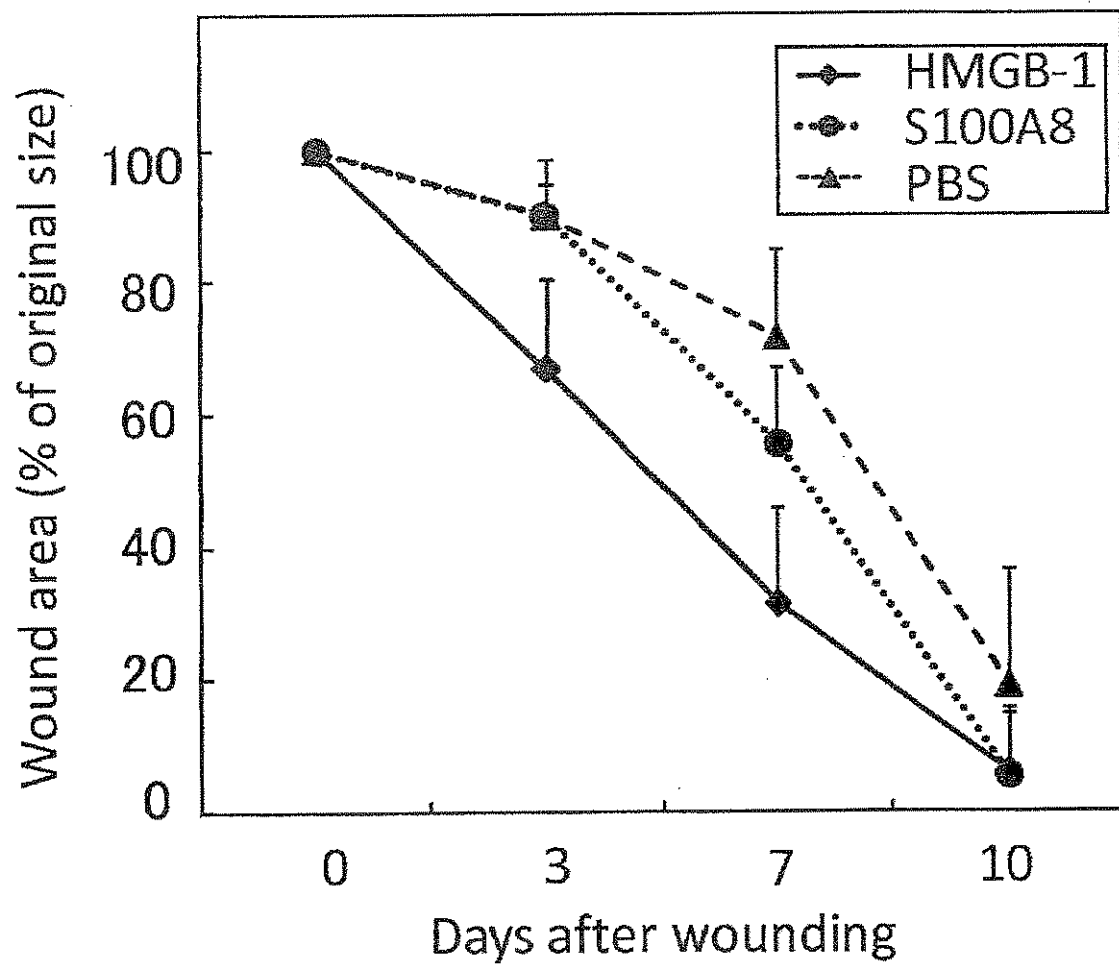


Fig. 3

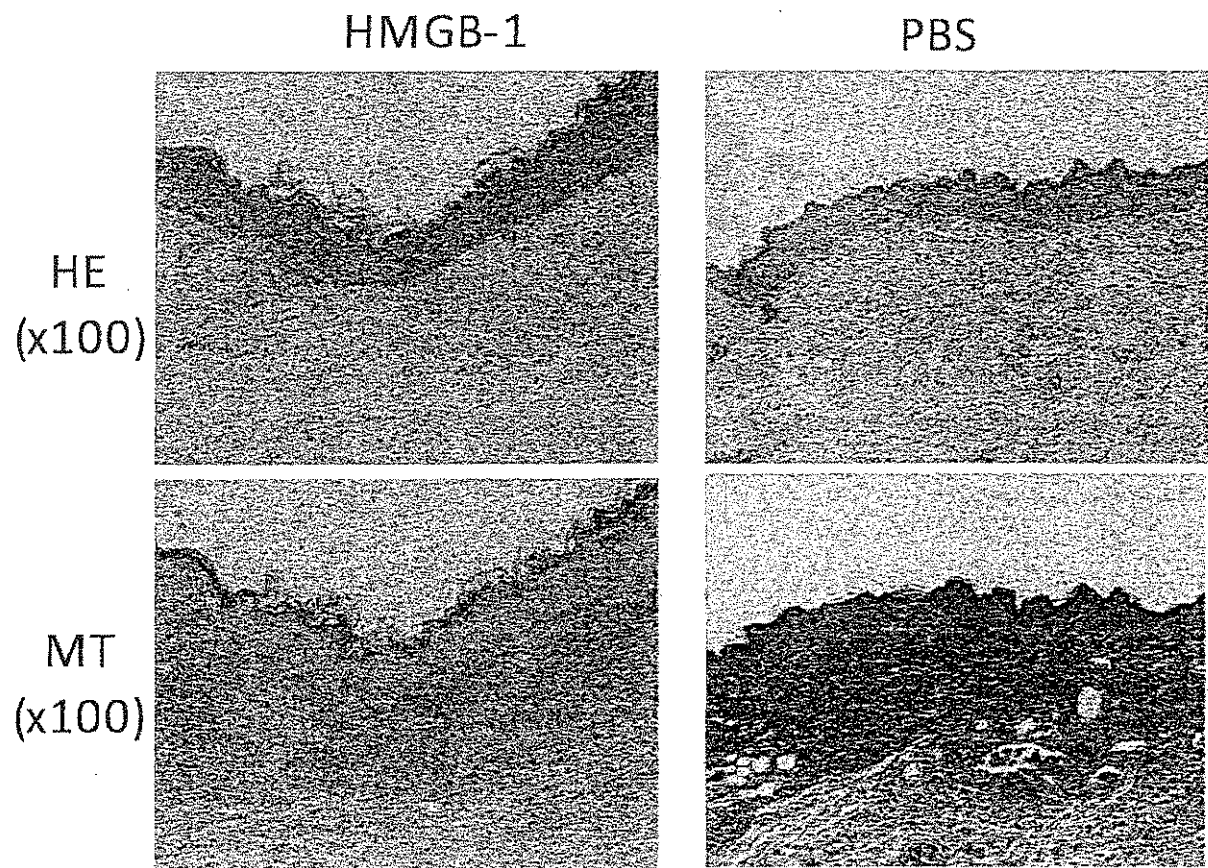


Fig. 4

GFP/Nestin/DAPI



GFP/ β III tubulin/DAPI

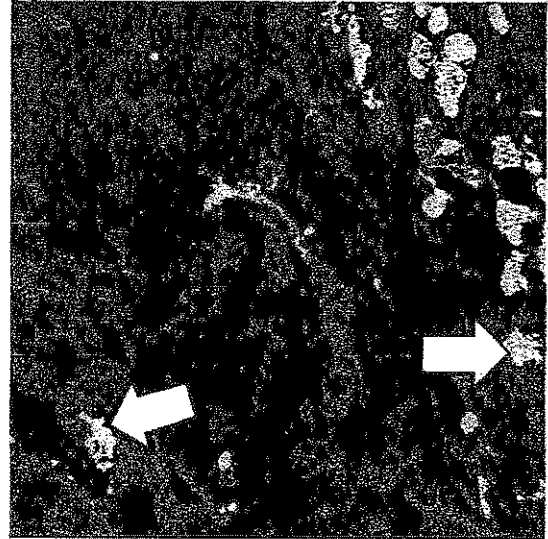


Fig. 5

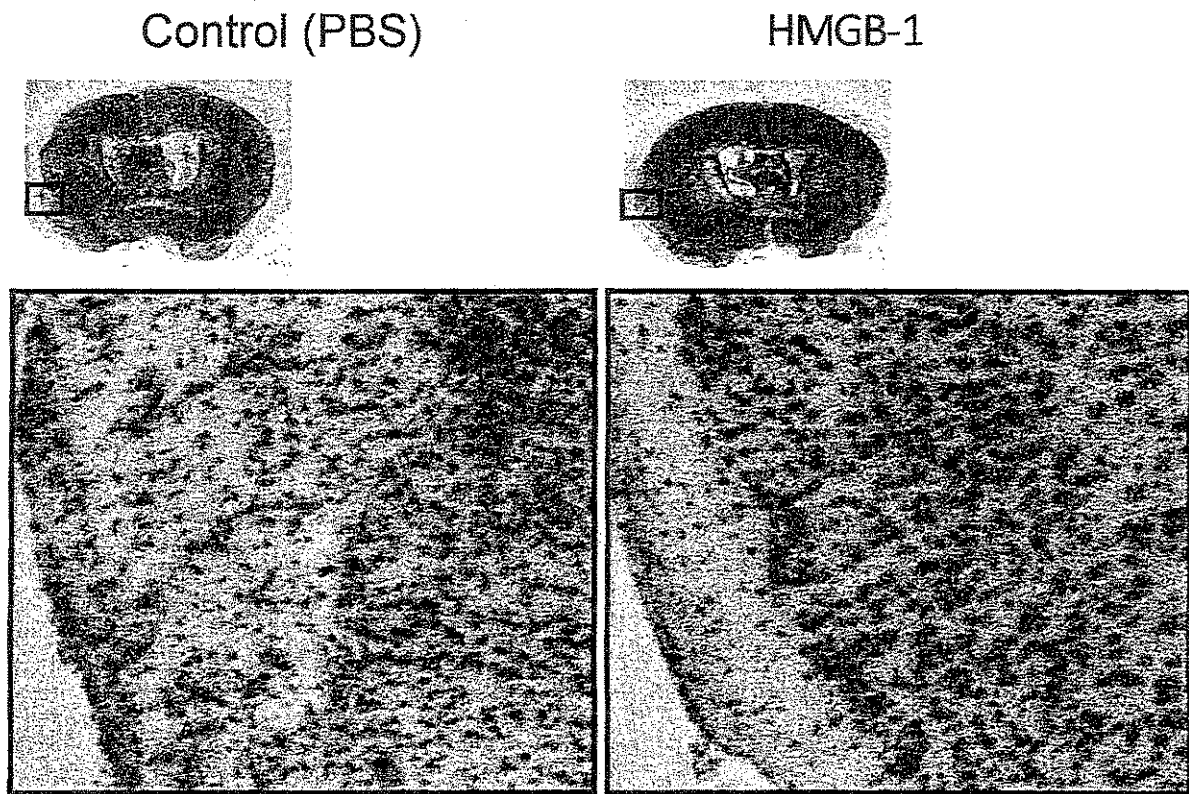
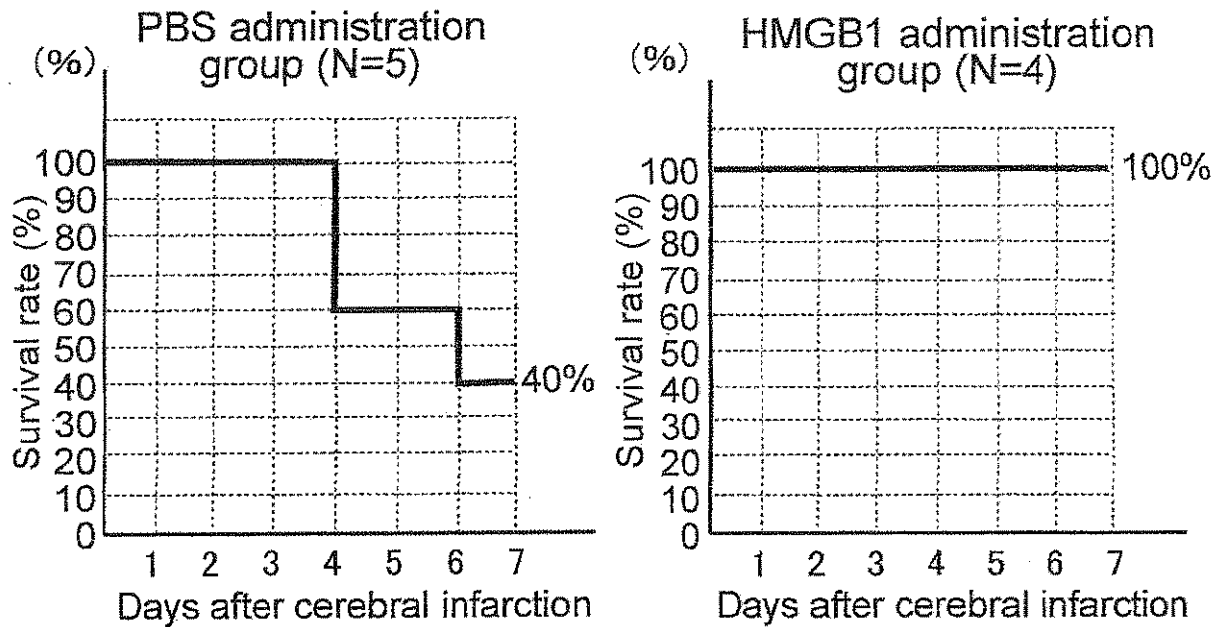


Fig. 6

Time of infarction: 45 min



Time of infarction: 60 min

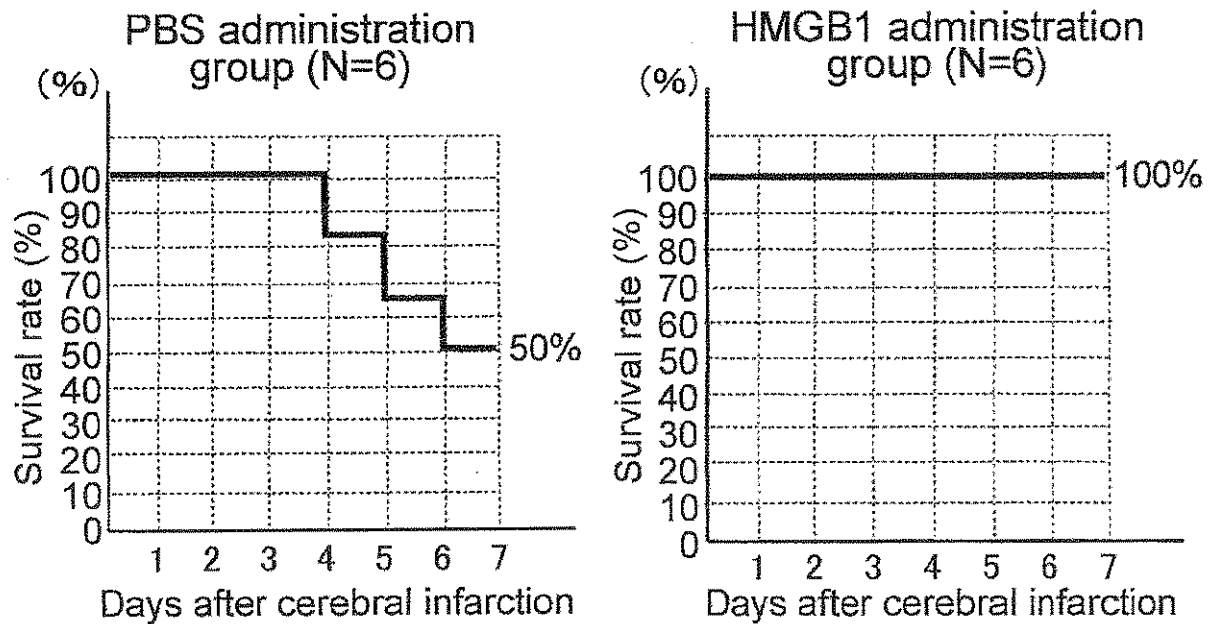


Fig. 7

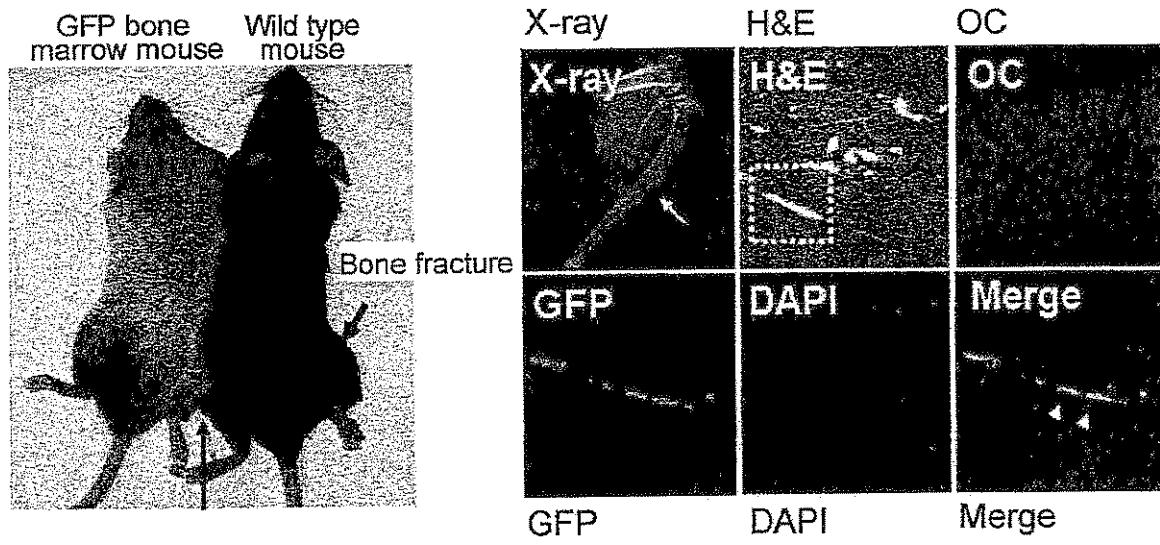


Fig. 8

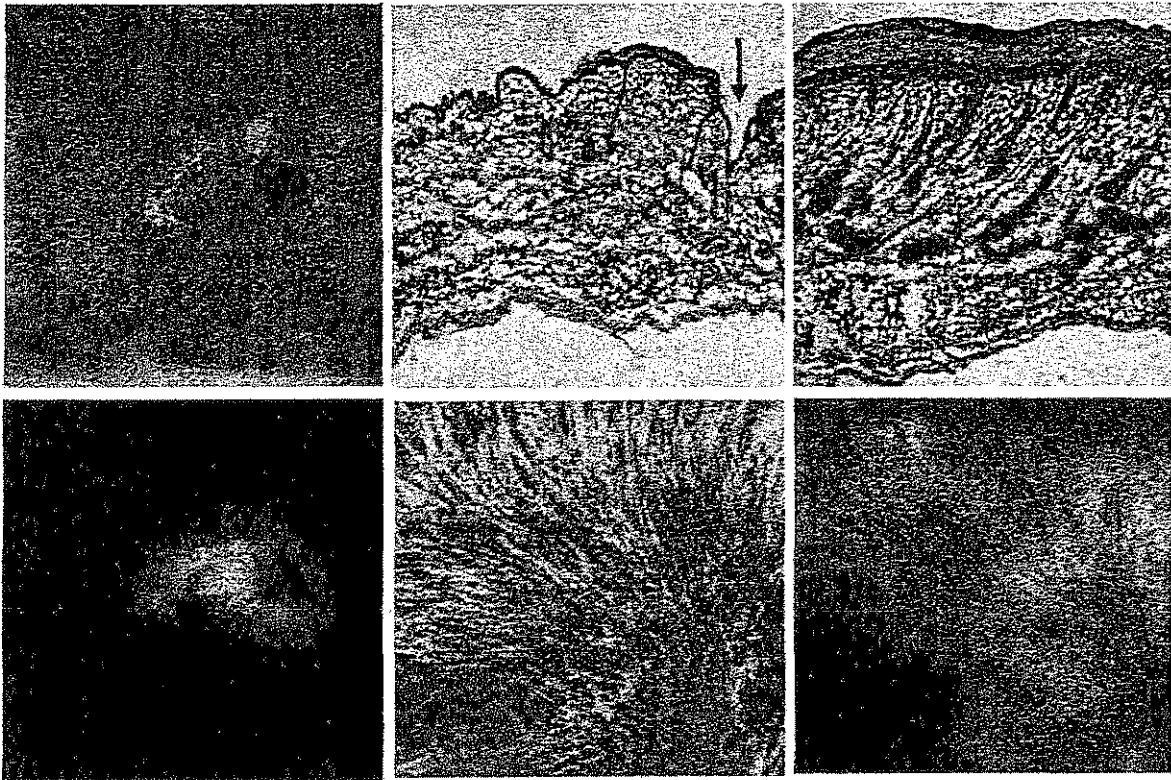


Fig. 9

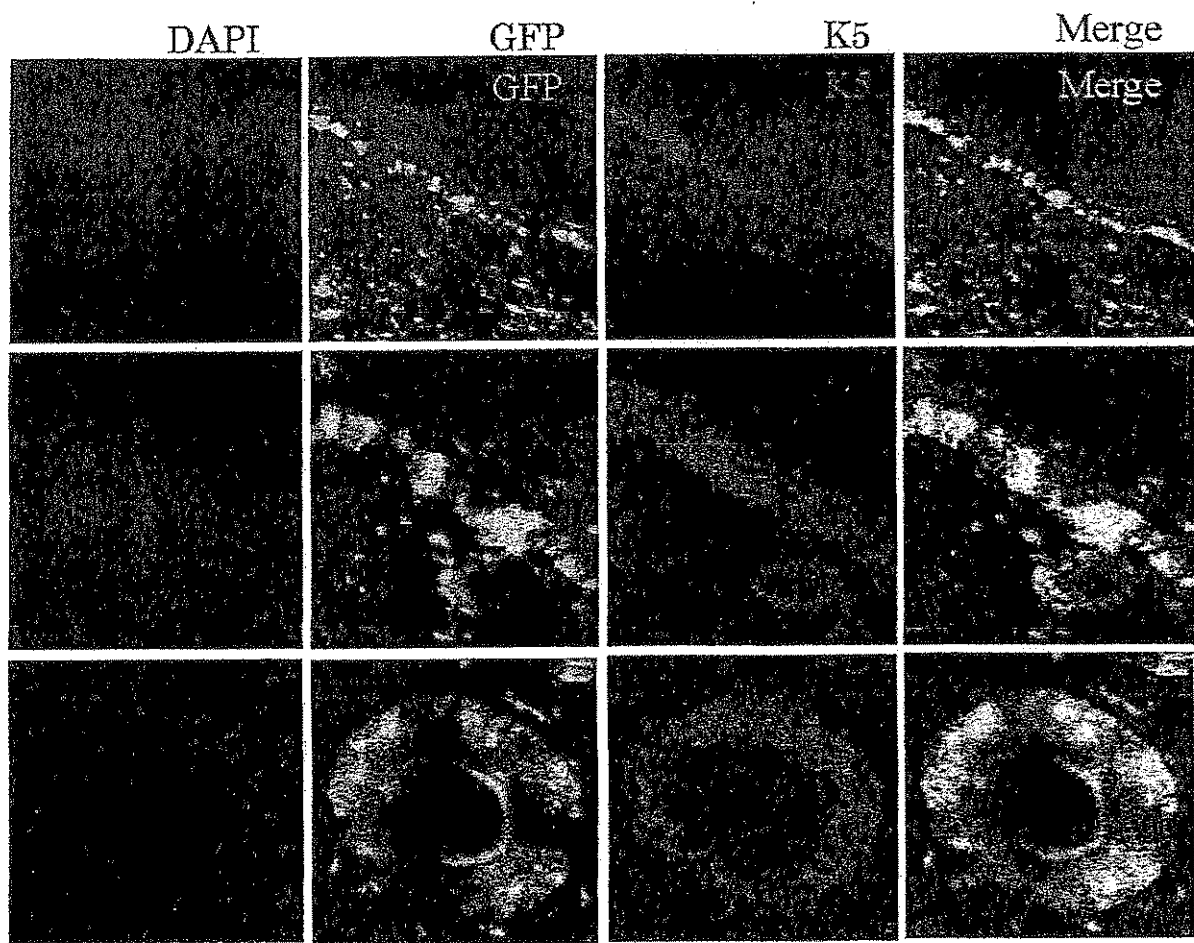


Fig. 10

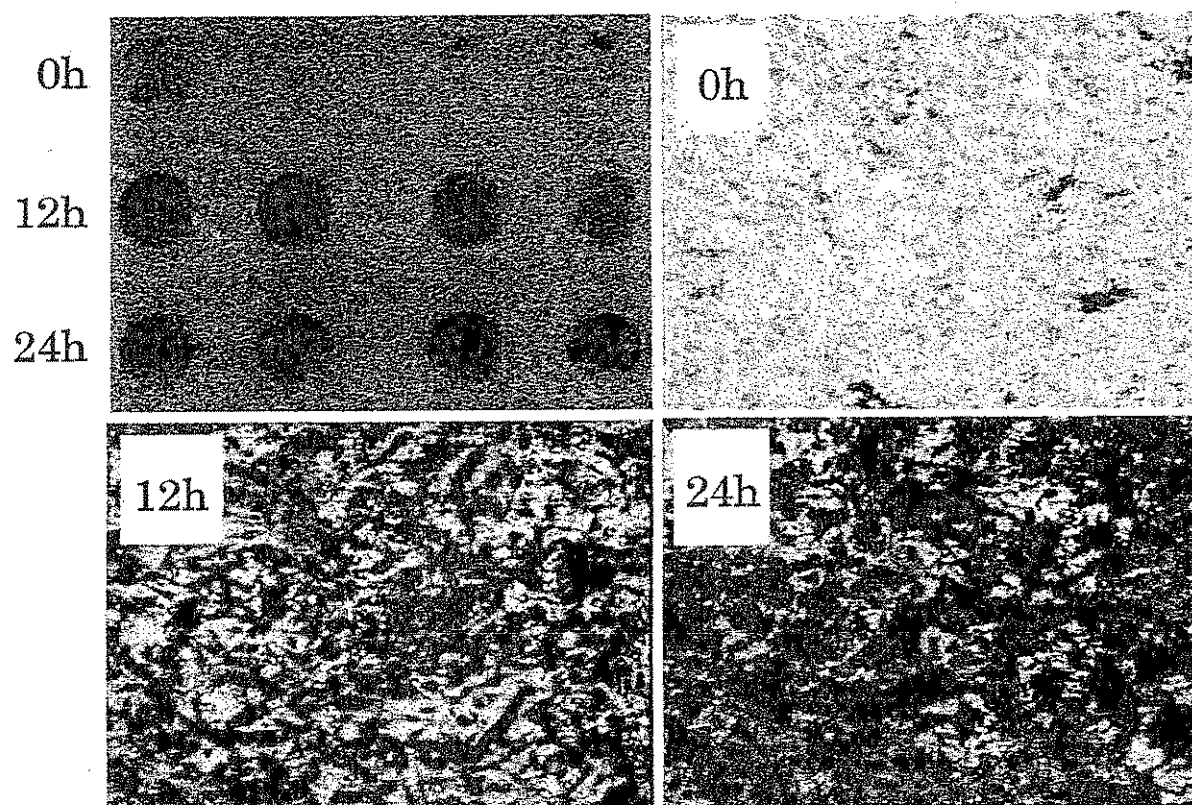


Fig. 11

M.W.: Molecular weight
marker
C.E.: Crude skin
extract
H.A.: Heparin affinity
chromatography
A.E.: Anion exchange
chromatography

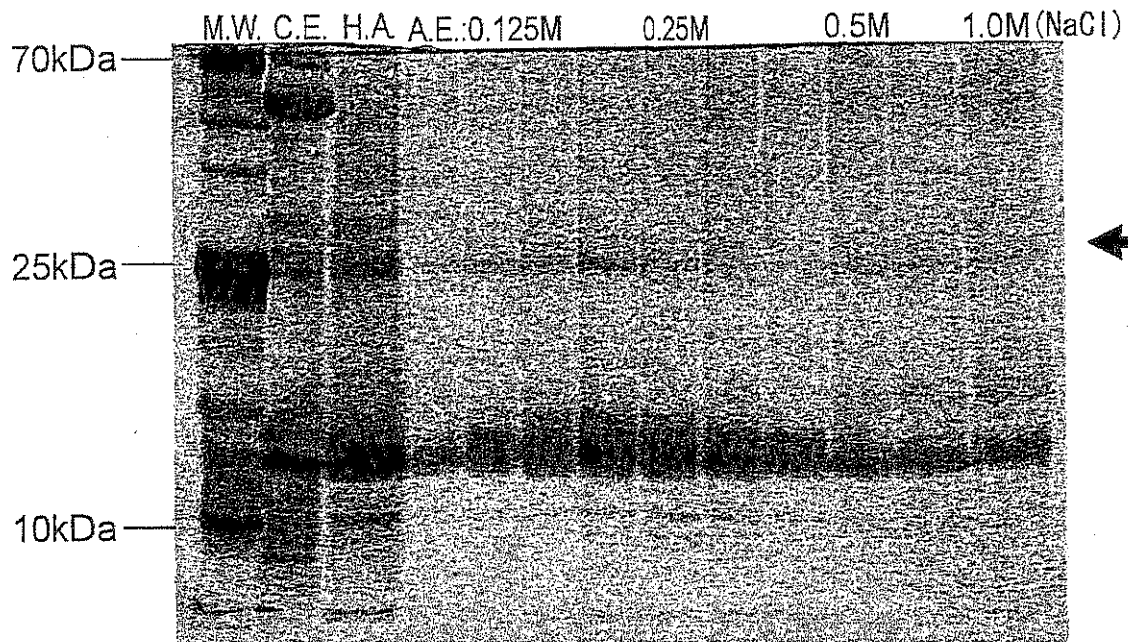
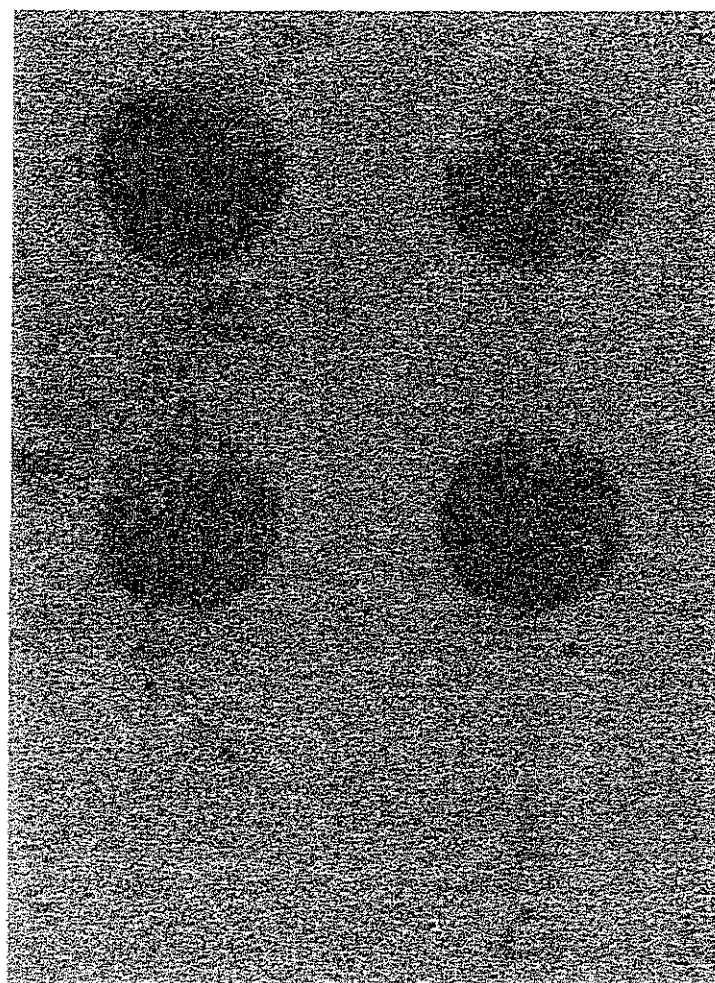


Fig. 12



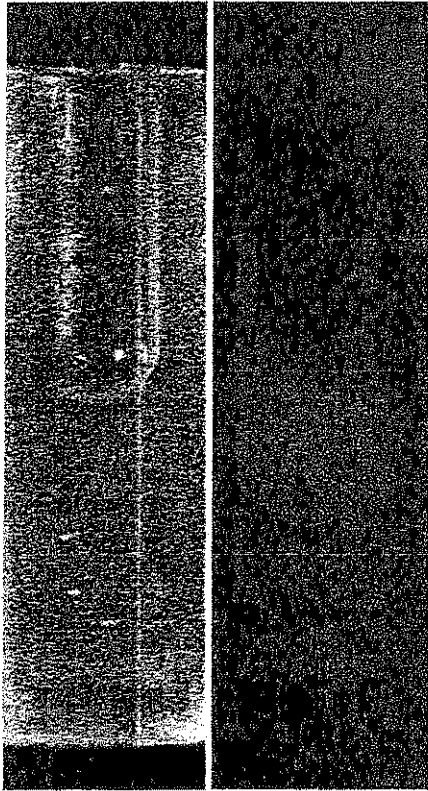
Skin extract

HMGB1
Purified fraction

Inhibition by
anti-HMGB1 antibody

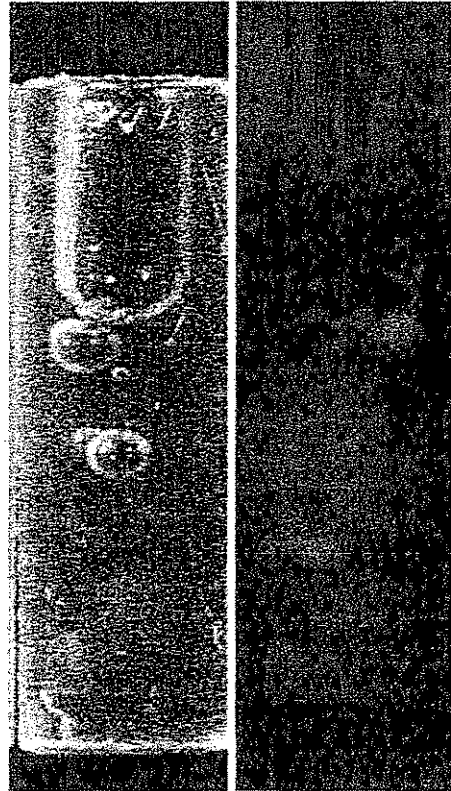
Fig. 13

Control (Purified fraction No. 1)



GFP fluorescence
intensity: 10440

HMGB1 fraction
(Purified fraction No. 4)



GFP fluorescence
intensity: 30430

Fig. 14



Fig. 15

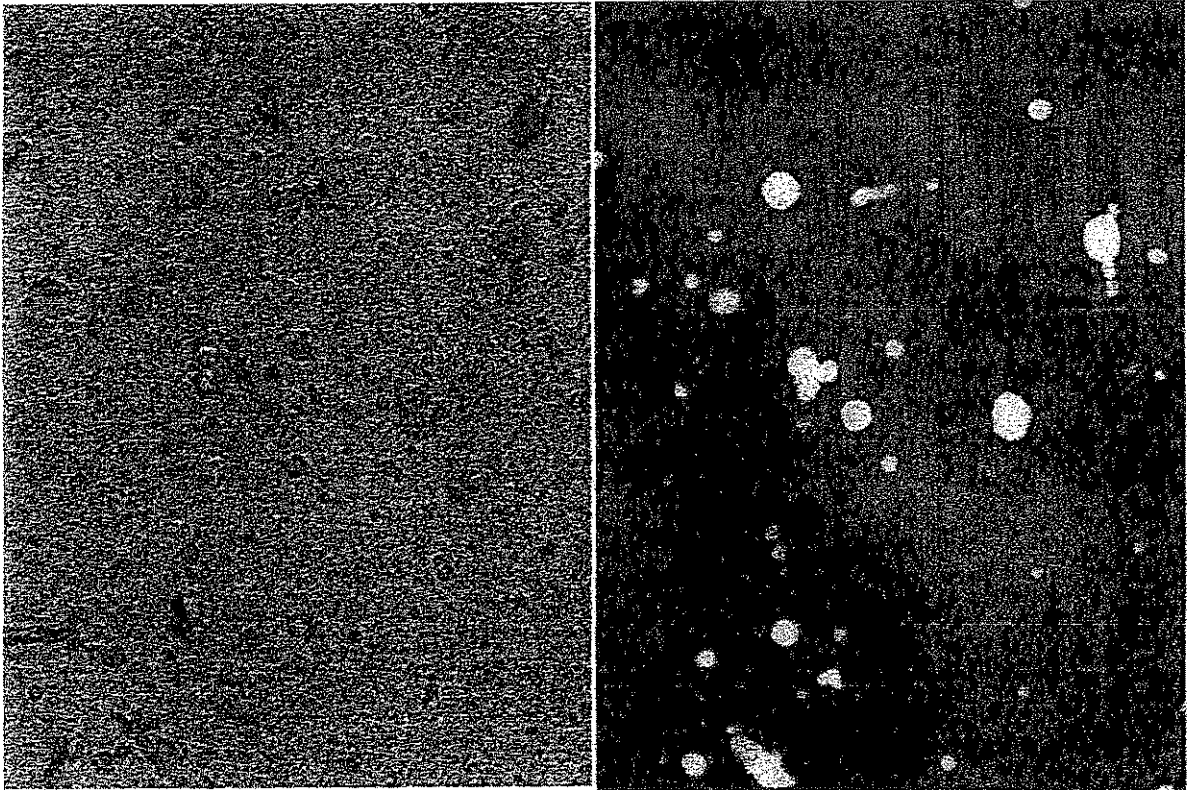


Fig. 16

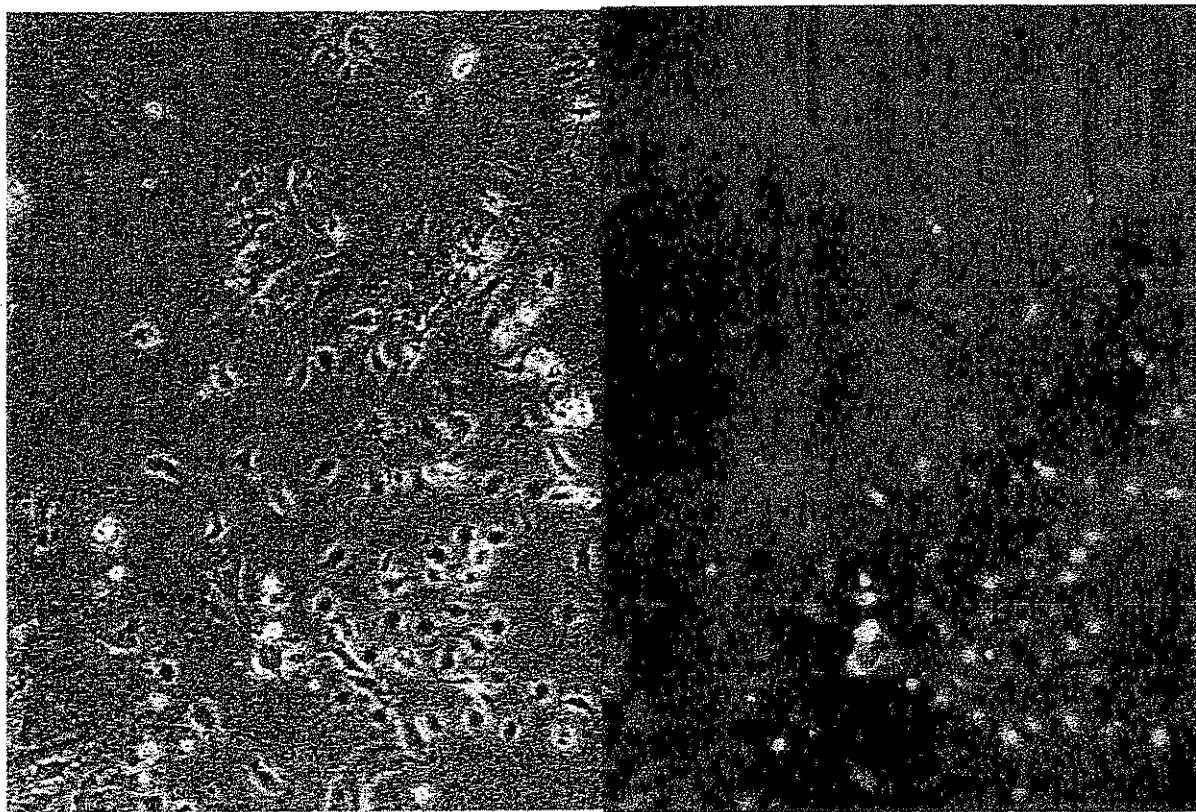


Fig. 17

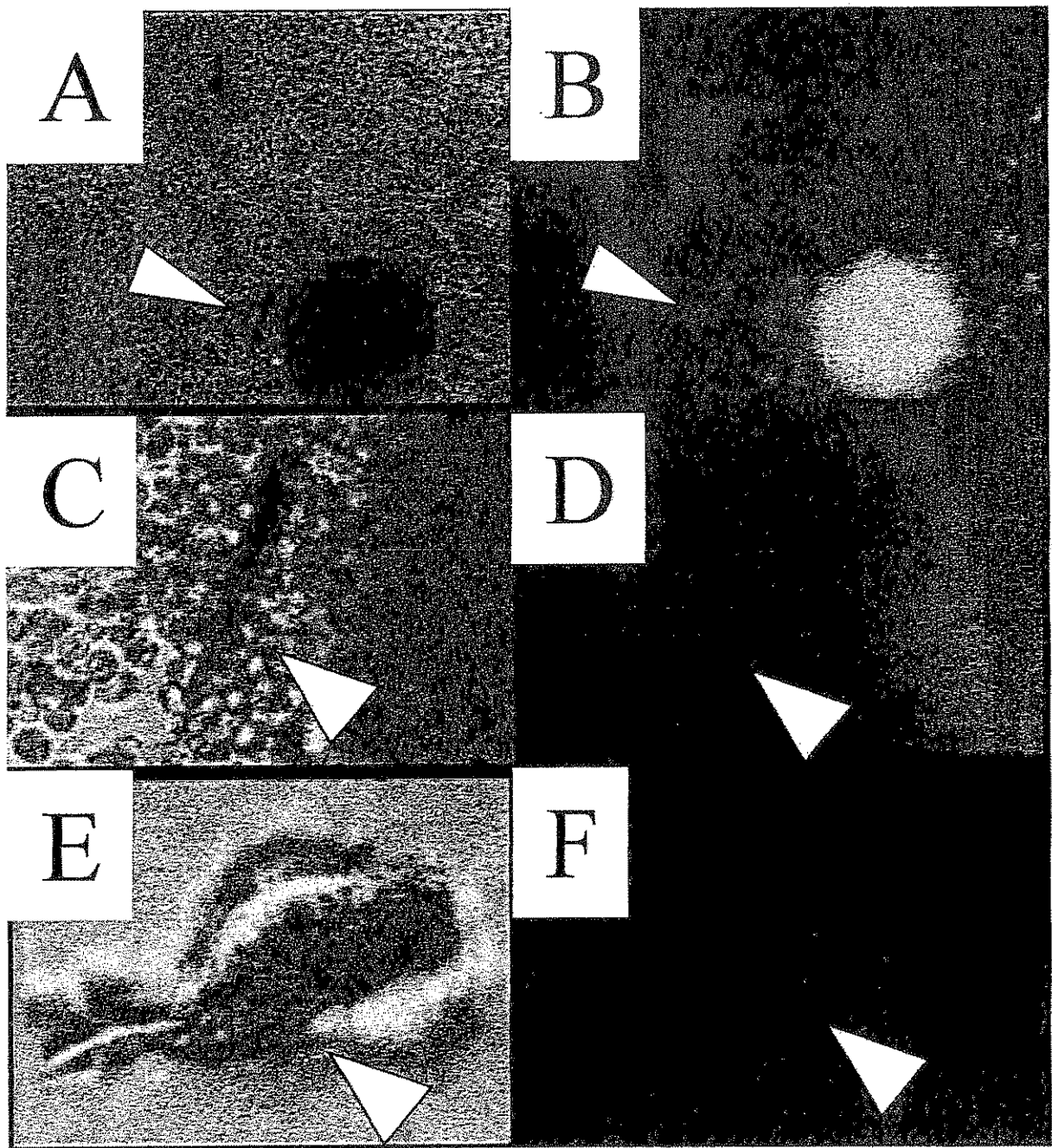


Fig. 18

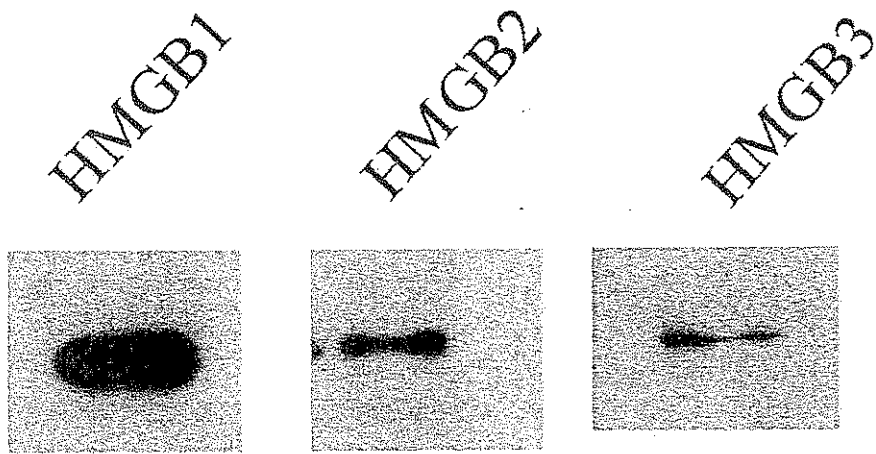


Fig. 19

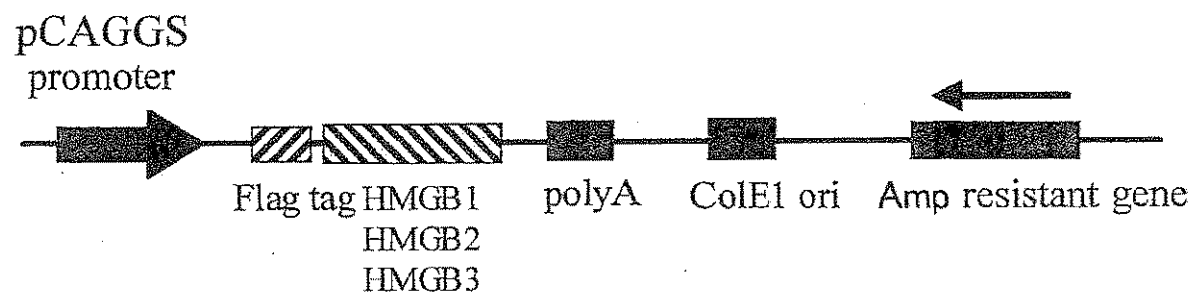
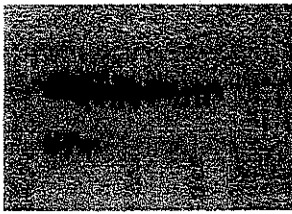
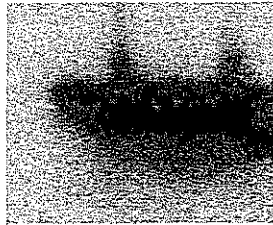


Fig. 20

Recombinant
HMGB1



Recombinant
HMGB2



Recombinant
HMGB3

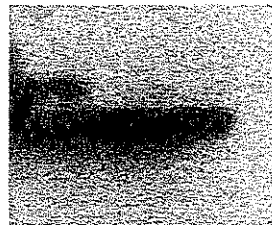


Fig. 21

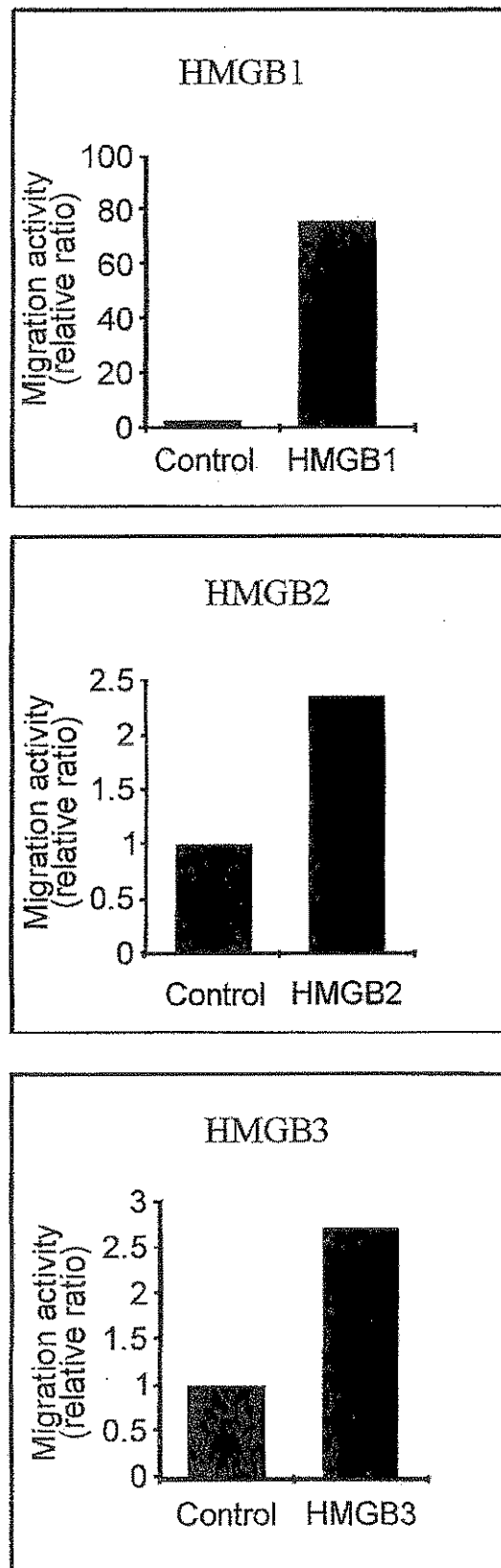


Fig. 22

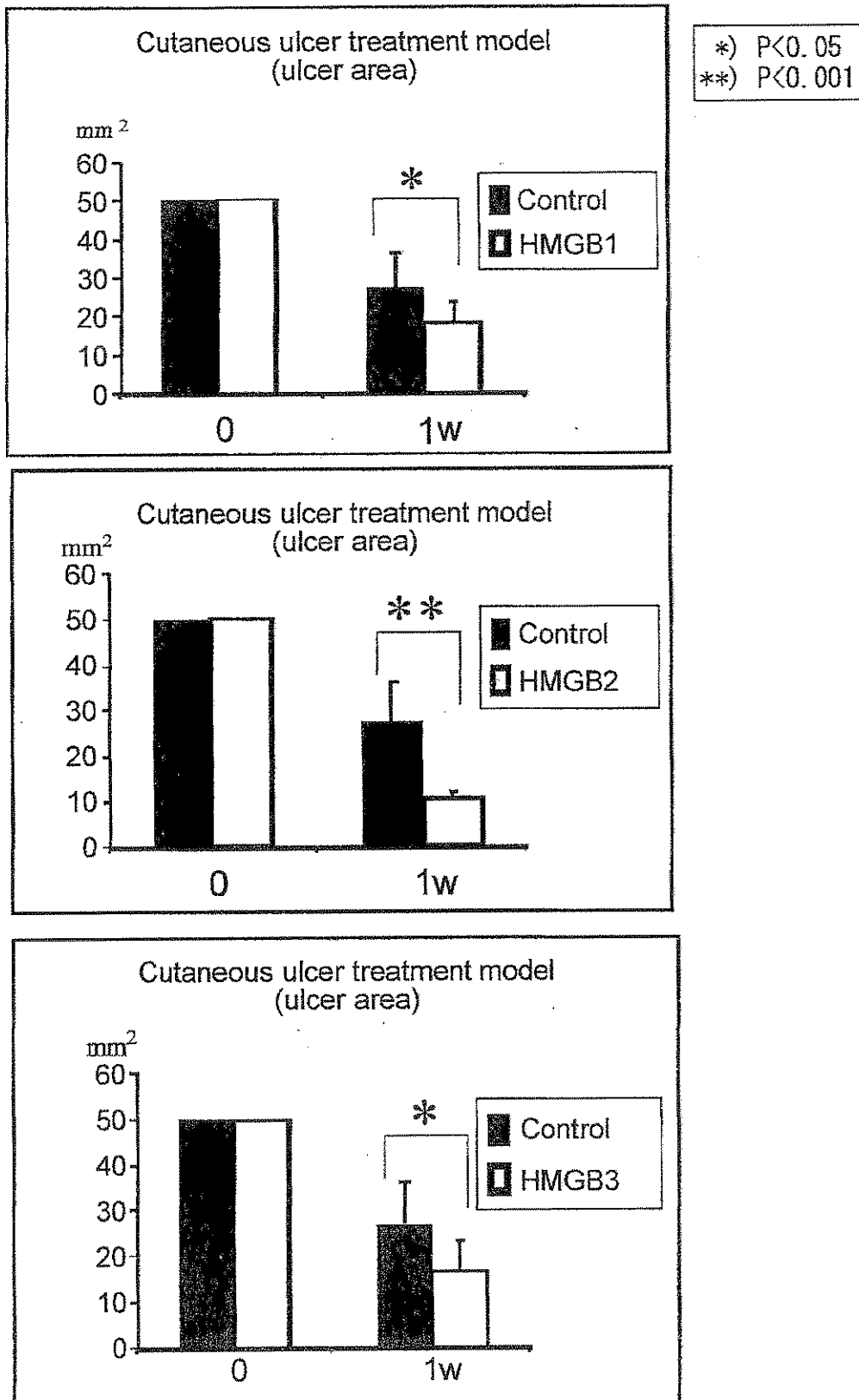


Fig. 23

Human HMGB1

Human skin extract

Negative control

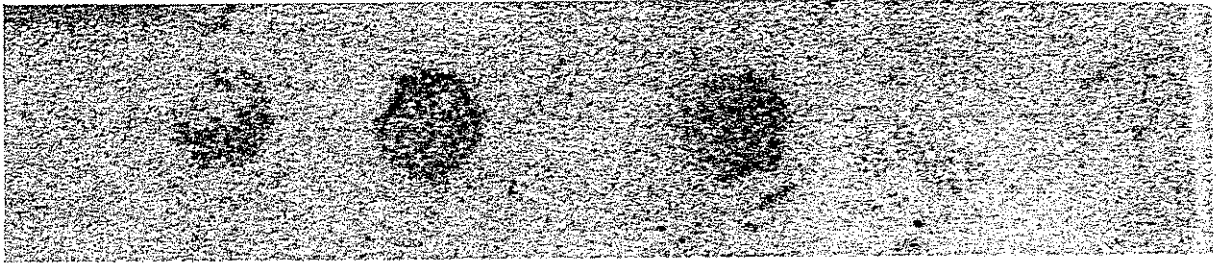
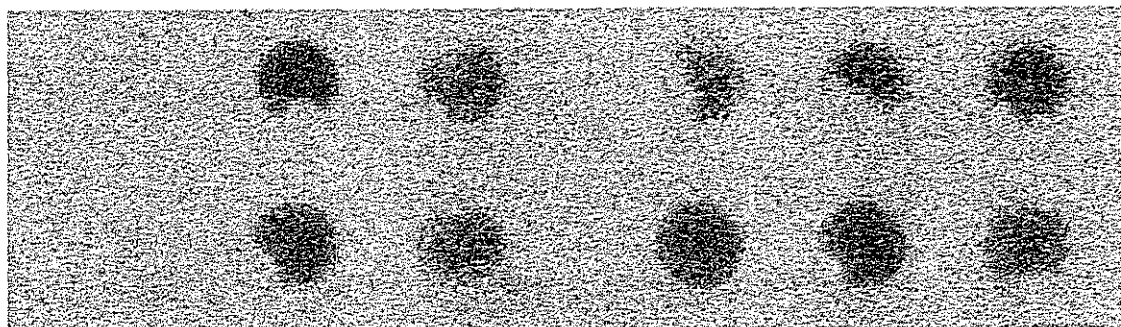


Fig. 24

Control

Mouse
heart

Mouse
skin



Control

Mouse
brain

Mouse
skin

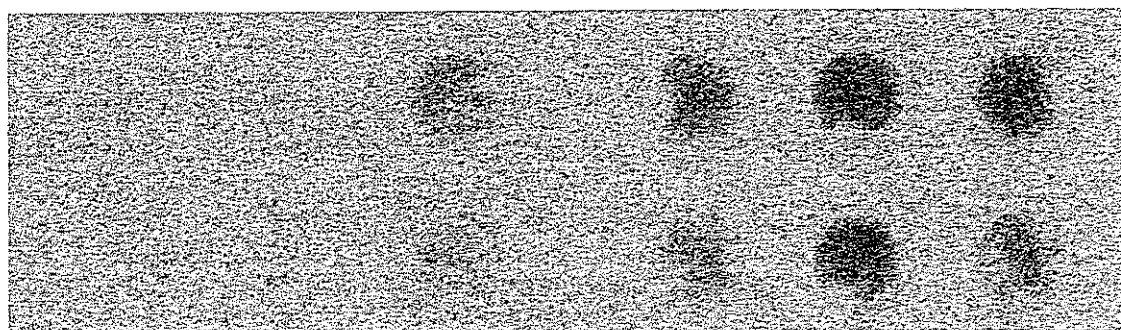


Fig. 25

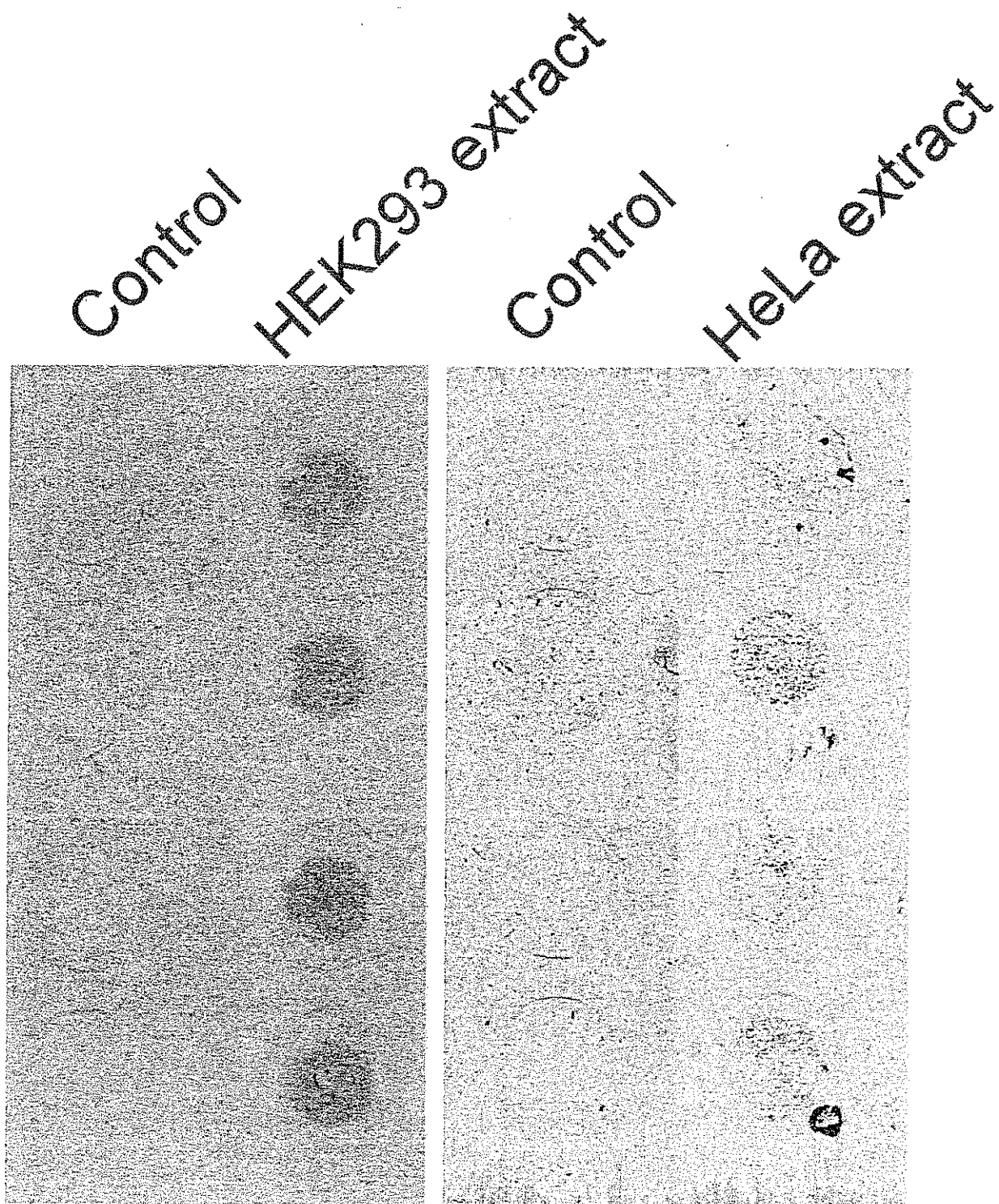


Fig. 26

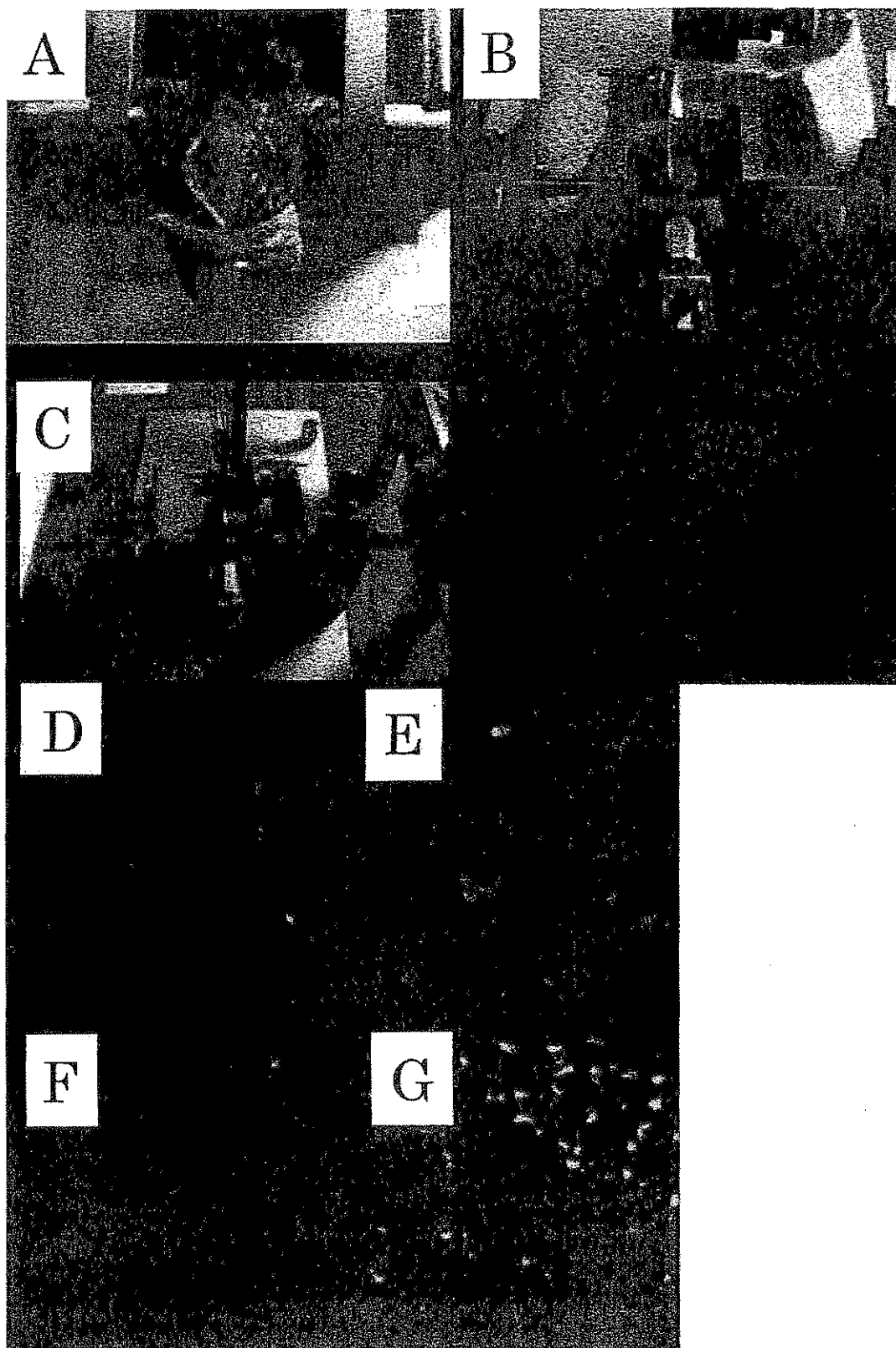


Fig. 27

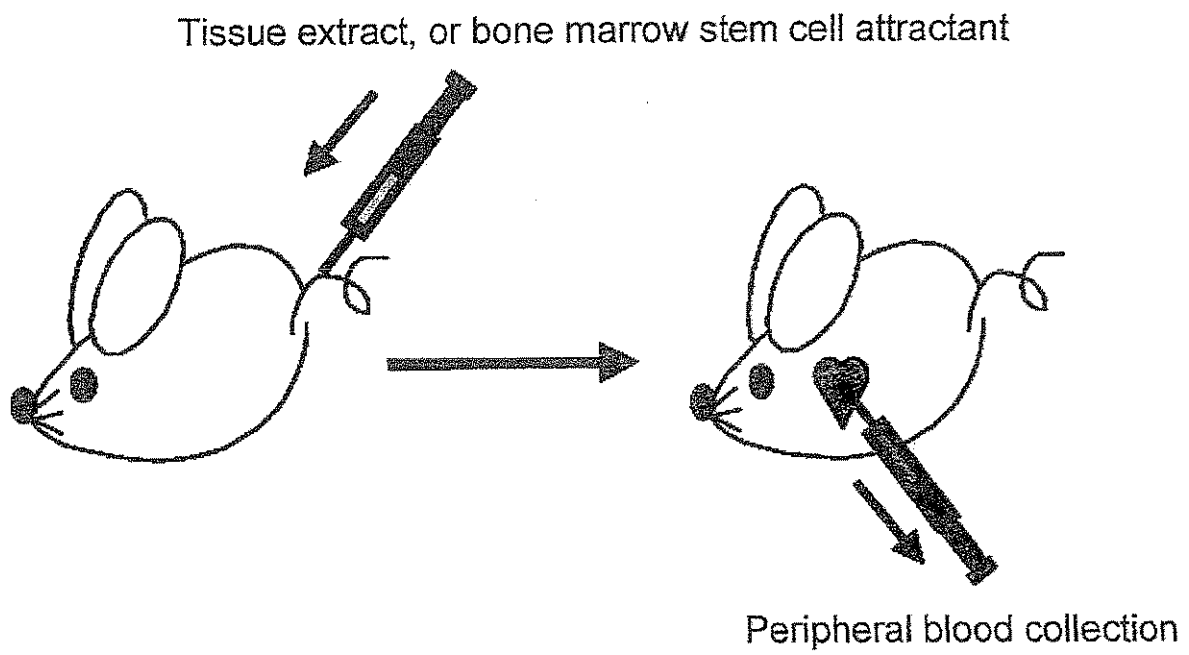


Fig. 28

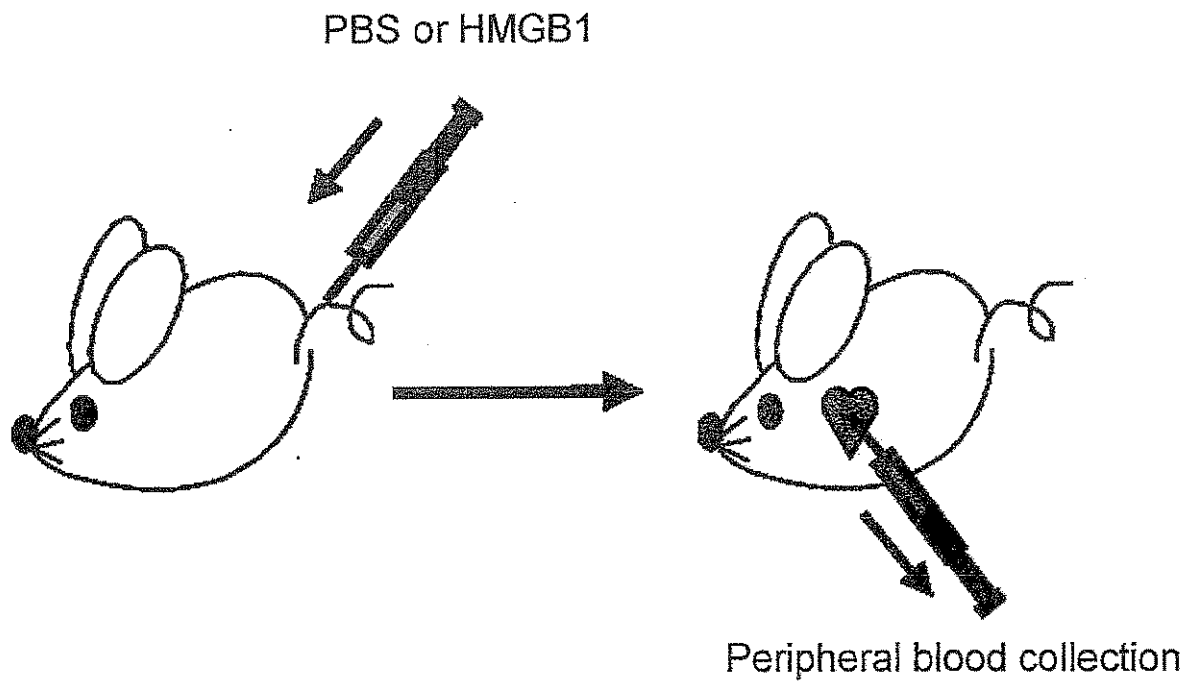


Fig. 29

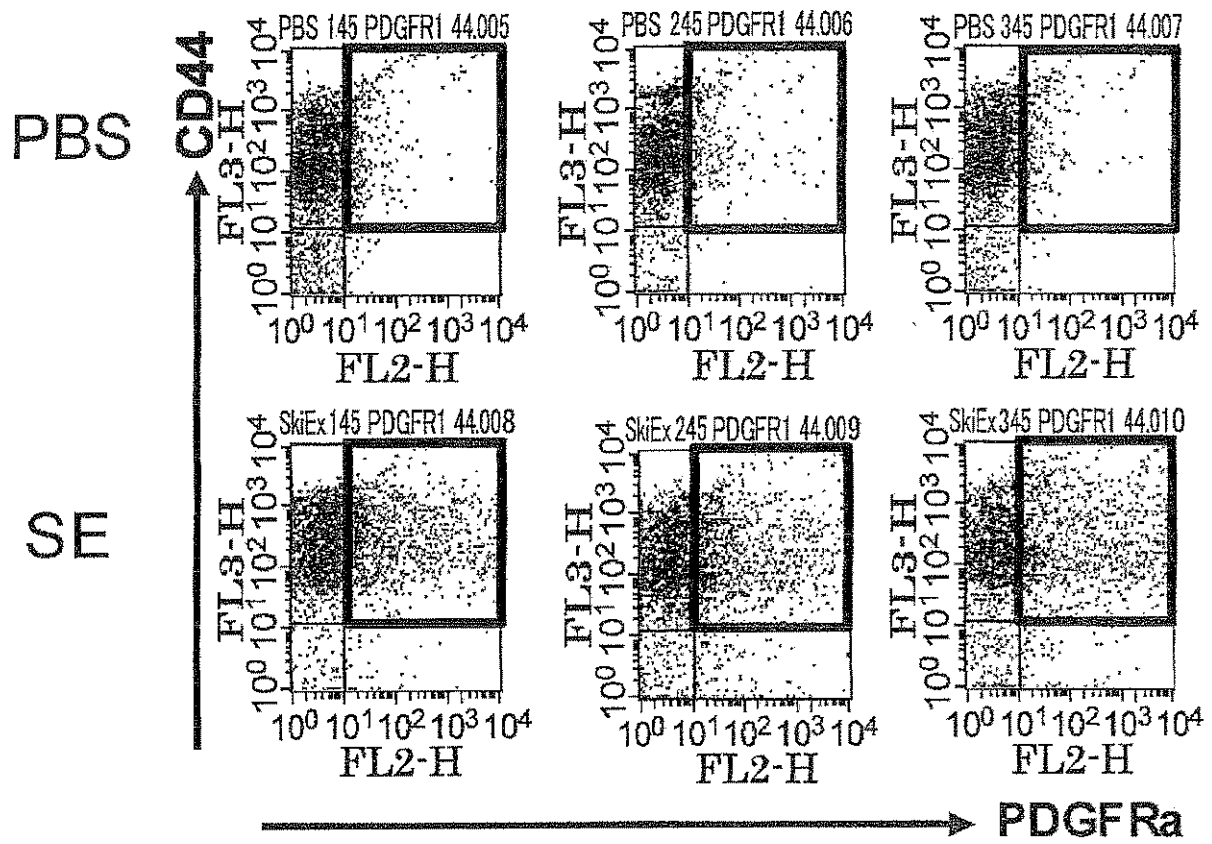


Fig. 30

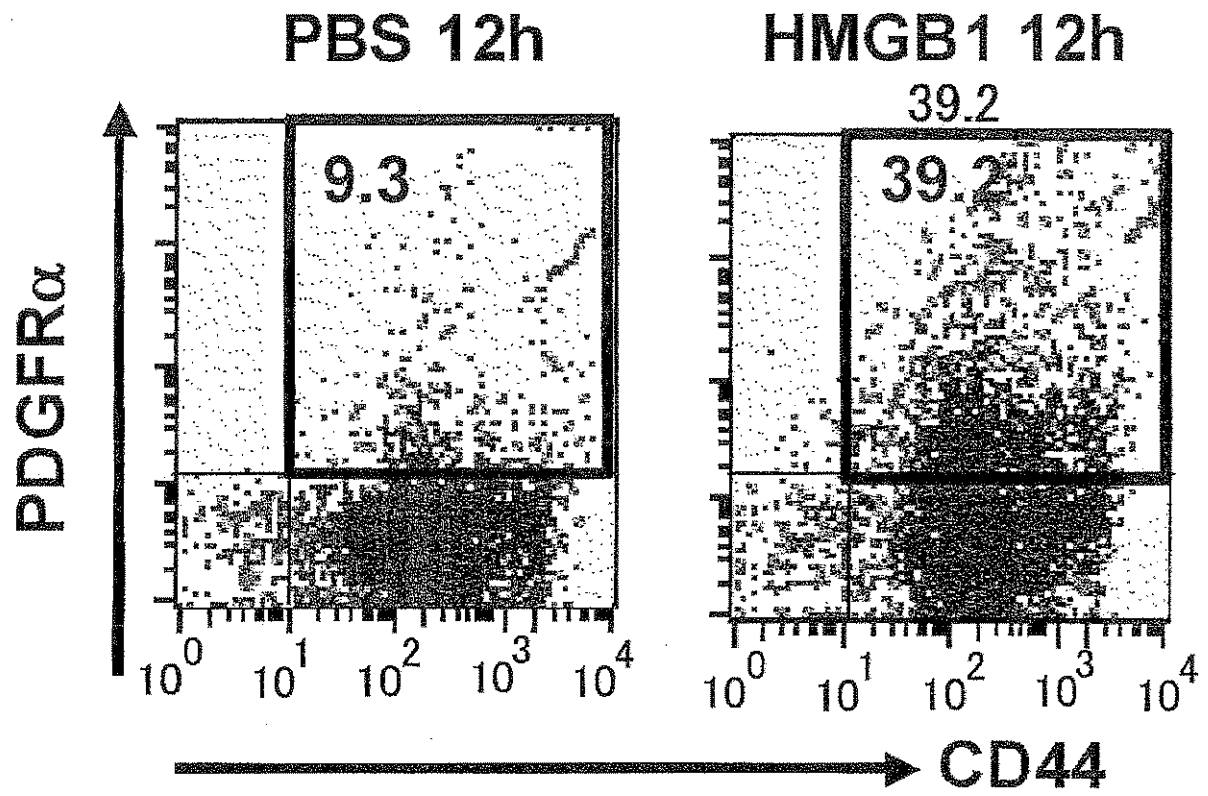


Fig. 31

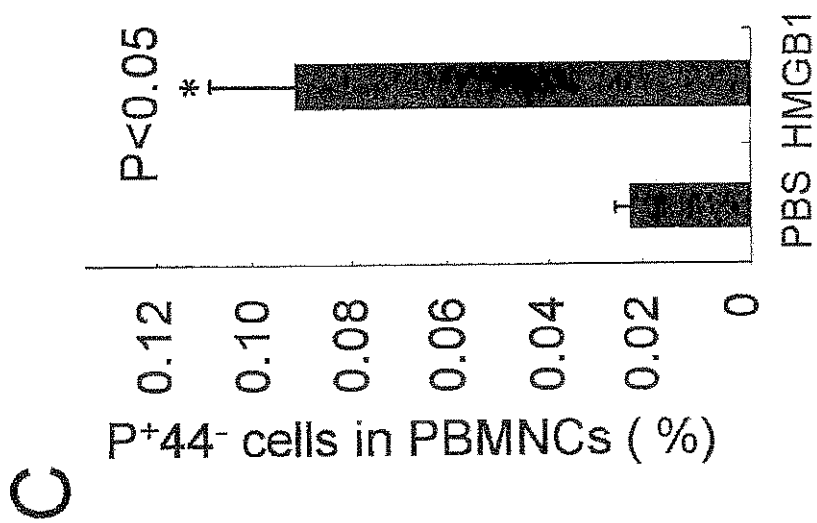
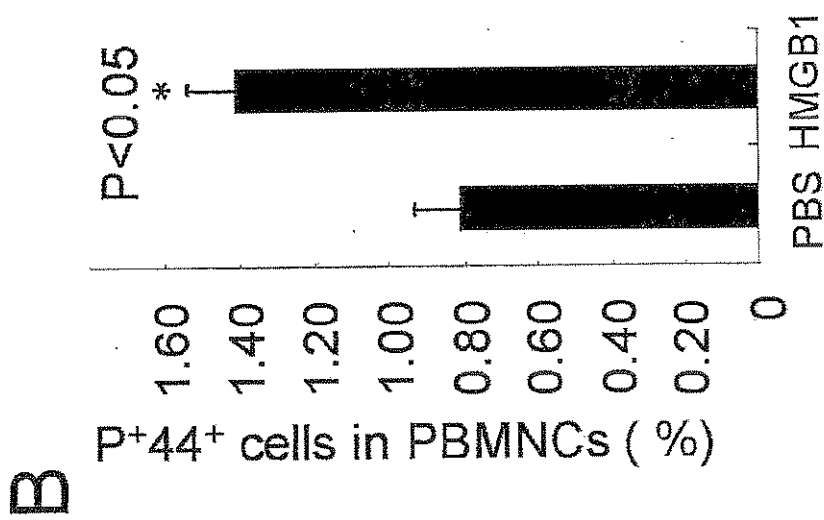
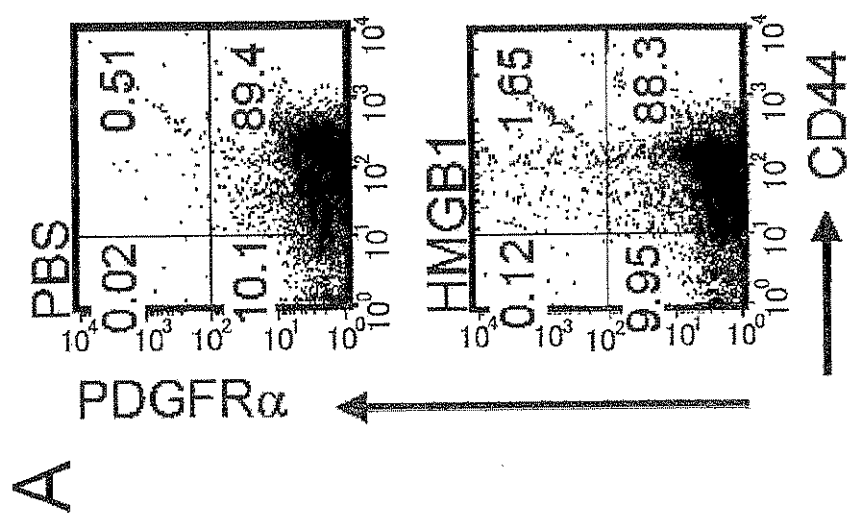


FIG. 32

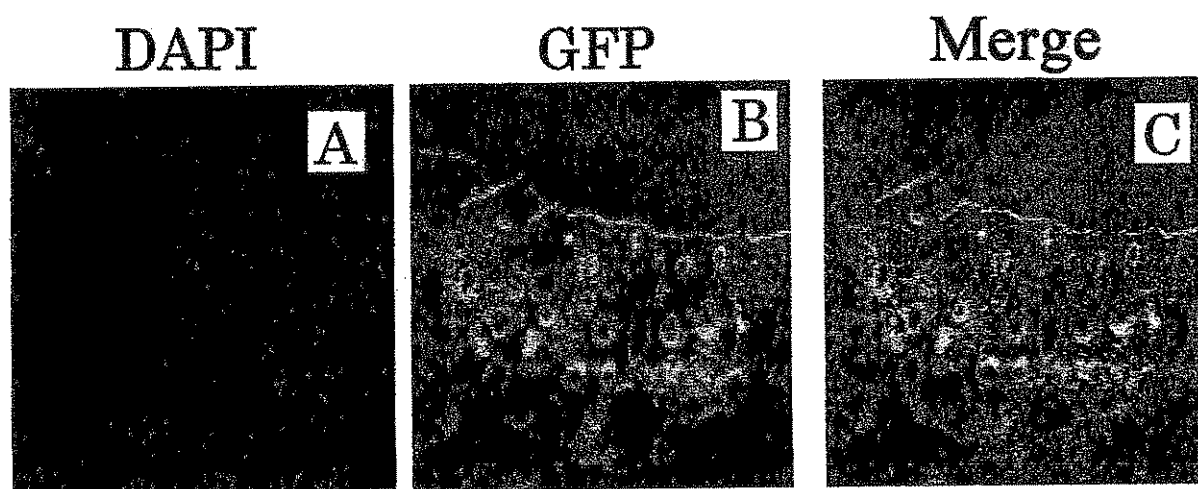


Fig. 33

2 days old

6 weeks old

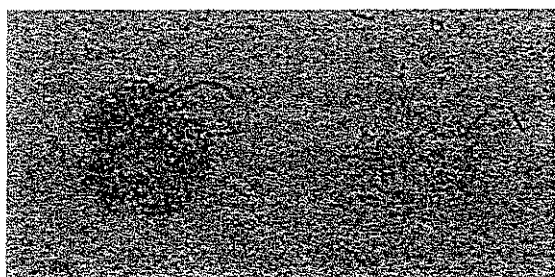
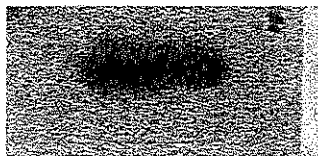


Fig. 34

S100A8



S100A9

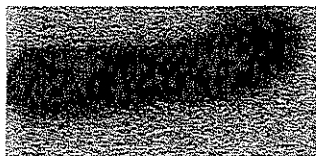


Fig. 35

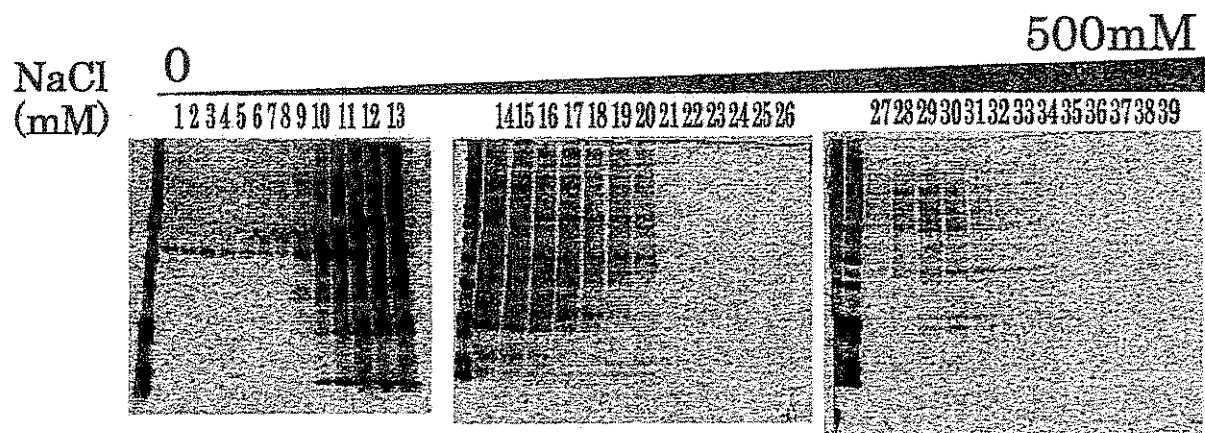


Fig. 36



Fig. 37

S100A8

14 15 16 17 18 19 20 21 22 23 24 25 26 M 27 28 29 30 31 32 33 34 35 36 37 38 39 40



S100A9

14 15 16 17 18 19 20 21 22 23 24 25 26 M 27 28 29 30 31 32 33 34 35 36 37 38 39 40



Fig. 38

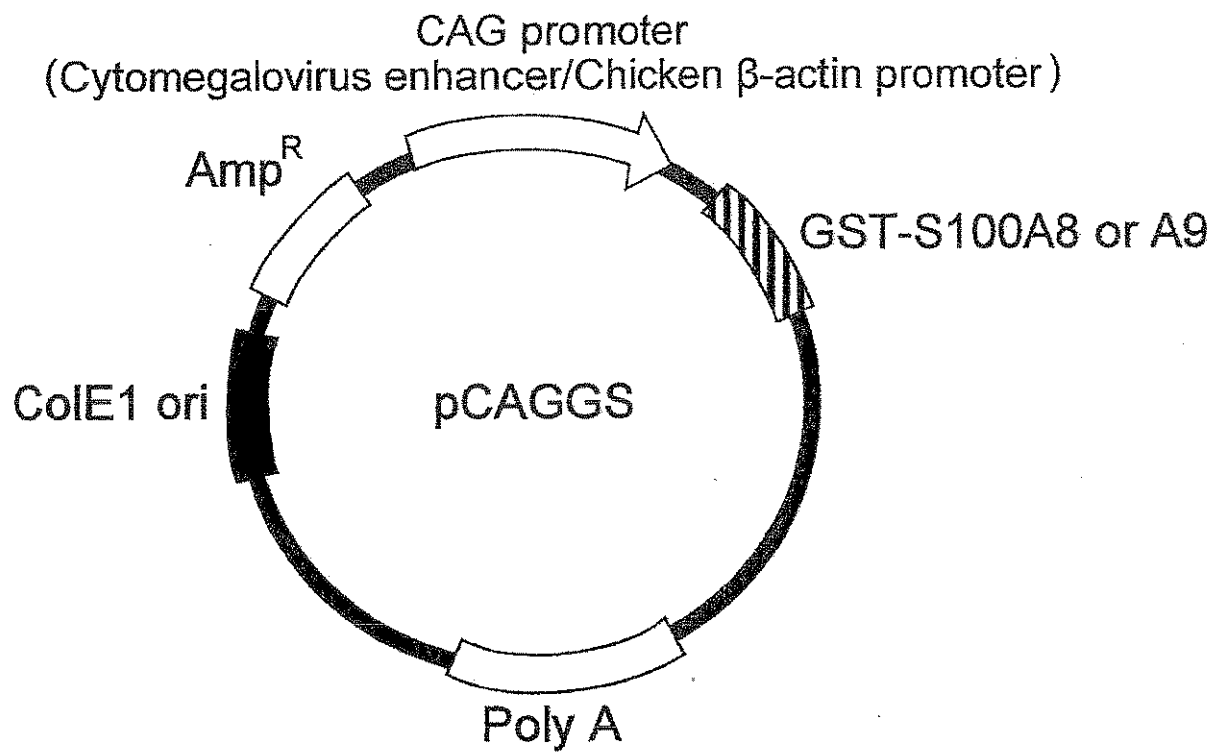


Fig. 39

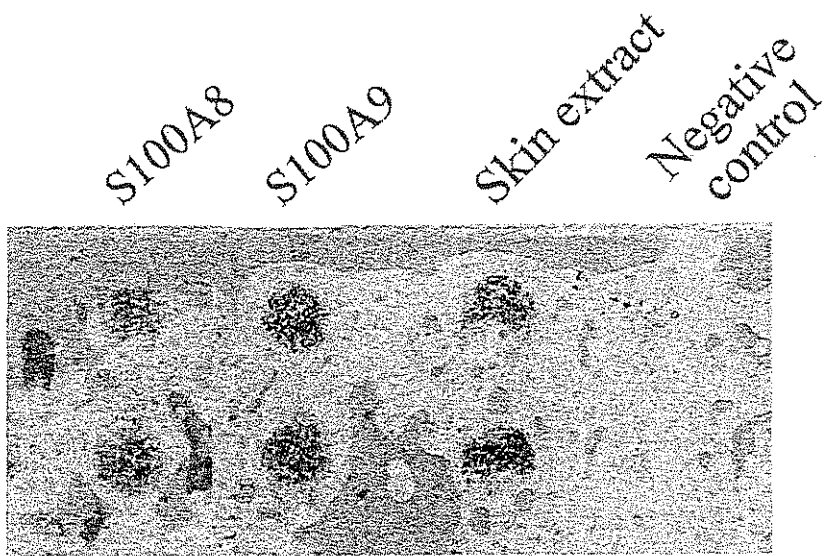


Fig. 40

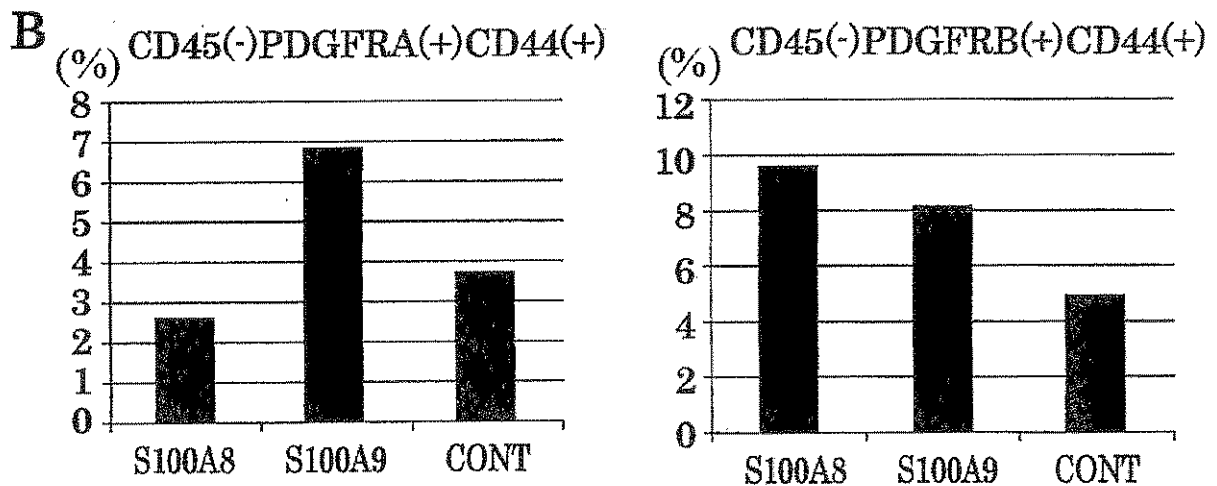
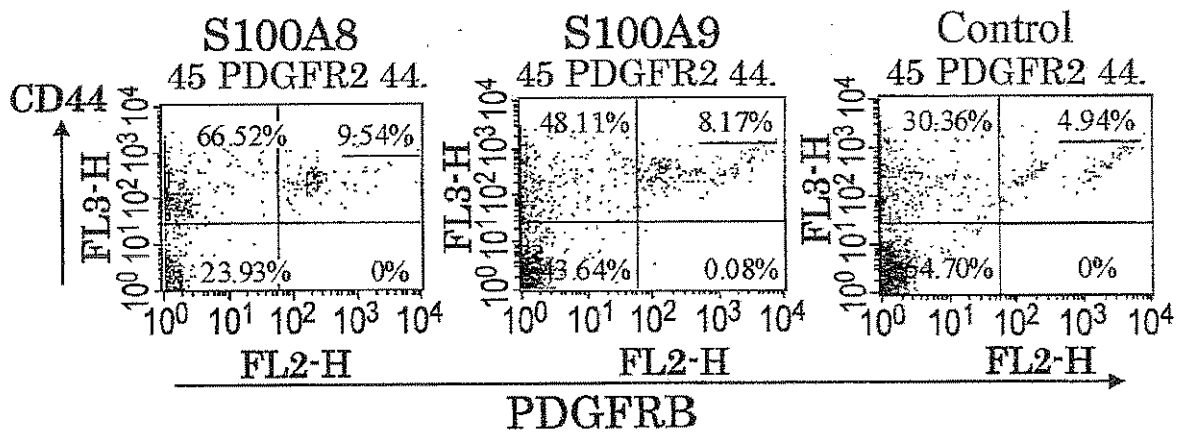
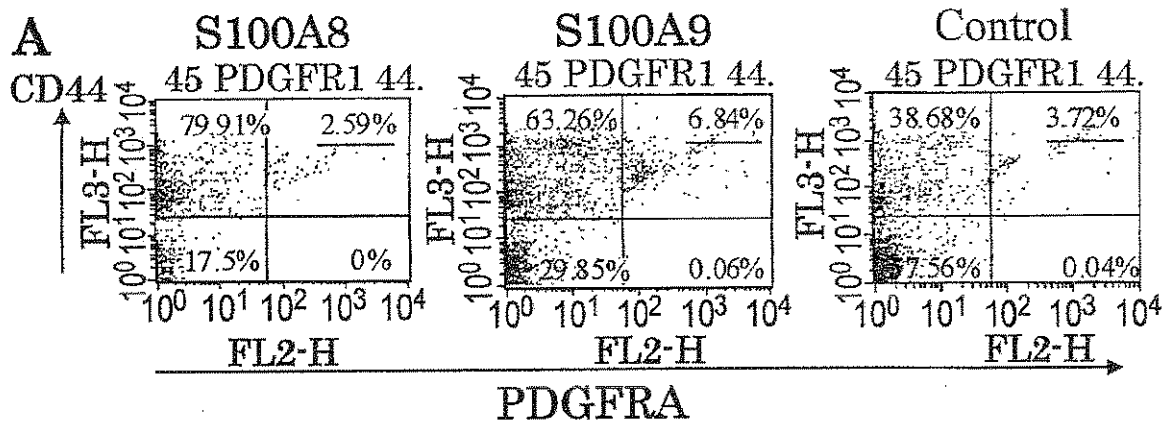


Fig. 41

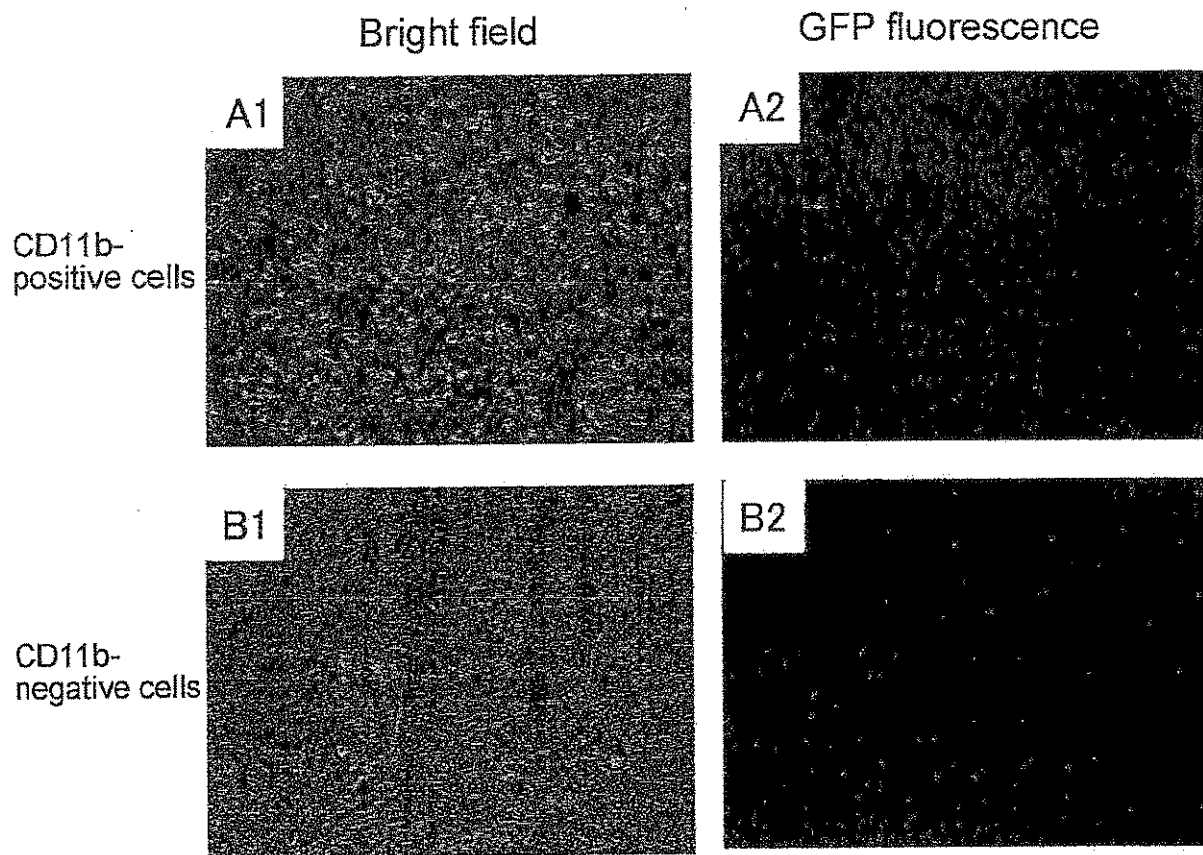


Fig. 42

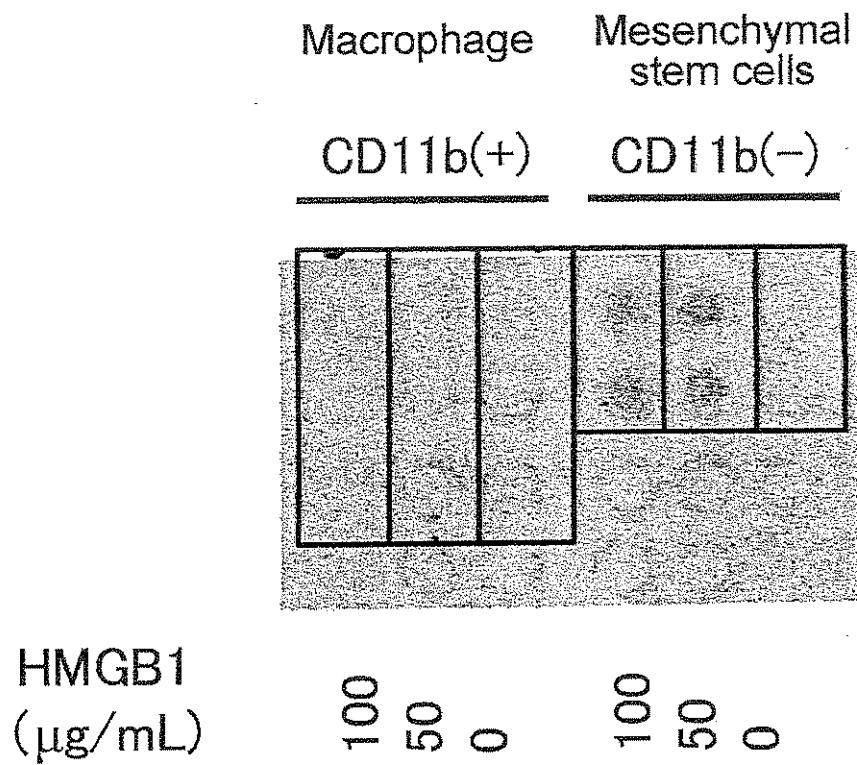


Fig. 43

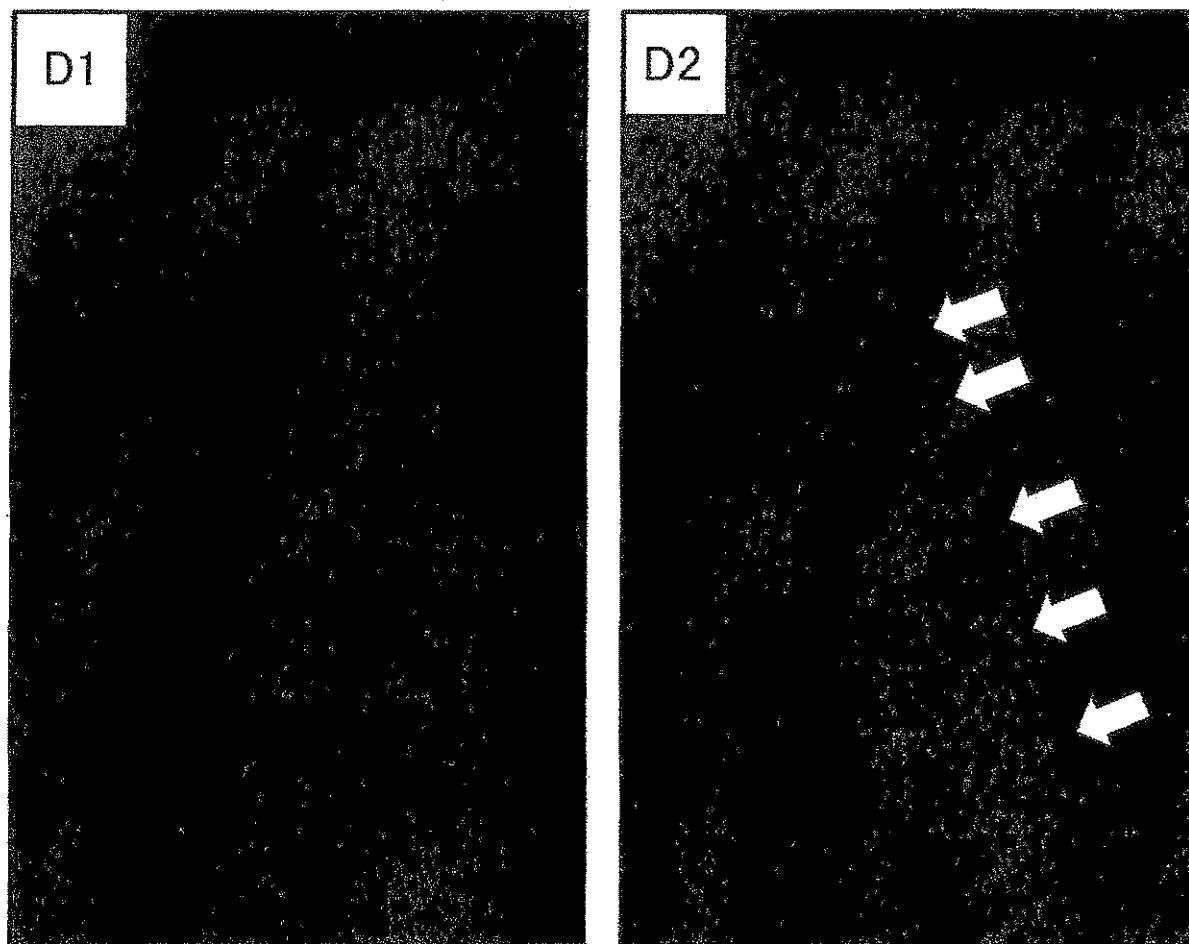


Fig. 44