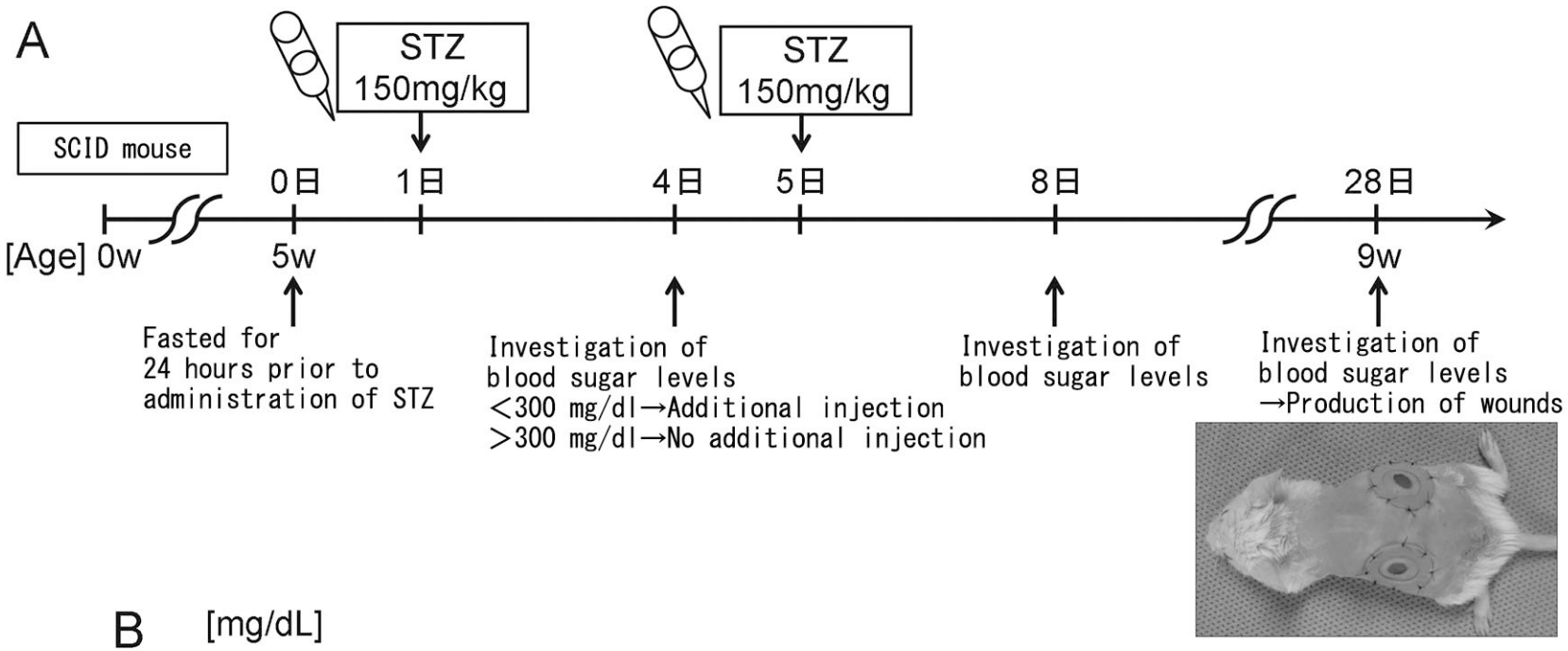
FIG. 1


A
STZ
150mg/kg
STZ
150mg/kg
SCID mouse
0日
1日
4日
5日
8日
28日
[Age] 0w
5w
9w
Fasted for
24 hours prior to
administration of STZ
Investigation of
blood sugar levels
＜300 mg/dl→Additional injection
＞300 mg/dl→No additional injection
Investigation of
blood sugar levels
Investigation of
blood sugar levels
→Production of wounds

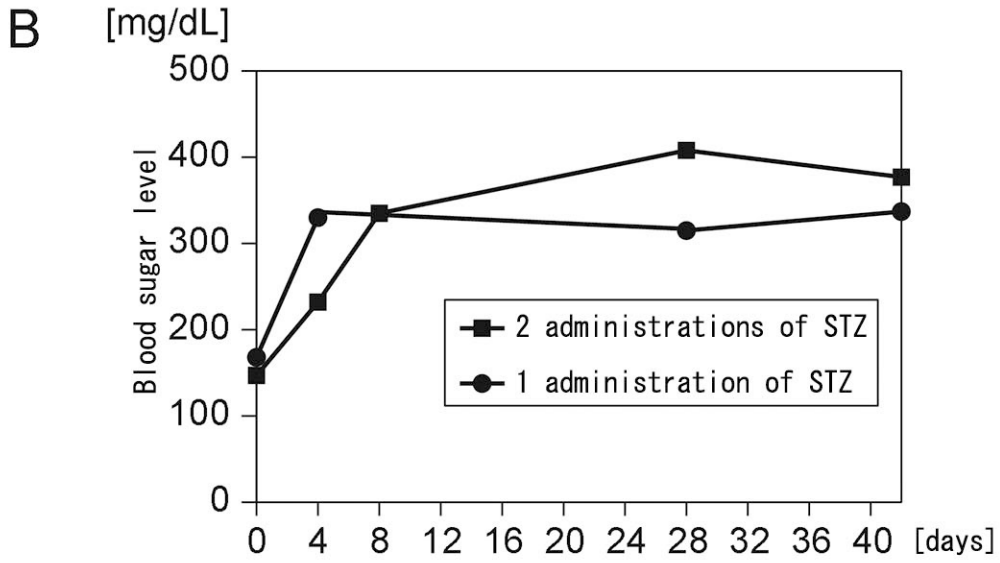

B
[mg/dL]
500
400
300
200
100
0
Blood sugar level
2 administrations of STZ
1 administration of STZ
0
4
8
12
16
20
24
28
32
36
40
[days]

FIG. 2

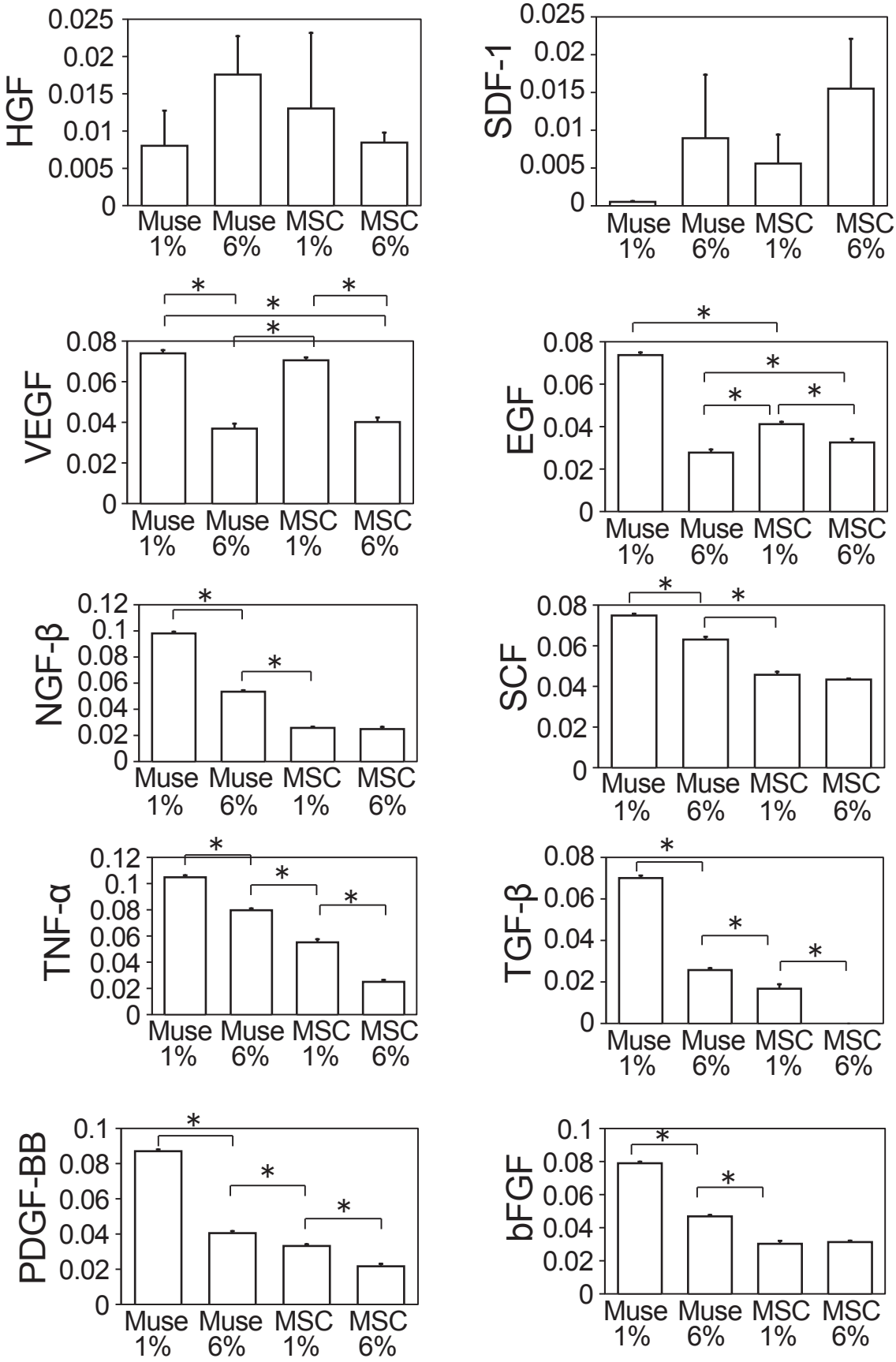

HGF
SDF-1
VEGF
EGF
NGF-β
SCF
TNF-α
TGF-β
PDGF-BB
bFGF
Muse 1%
Muse 6%
MSC 1%
MSC 6%
*

FIG. 3

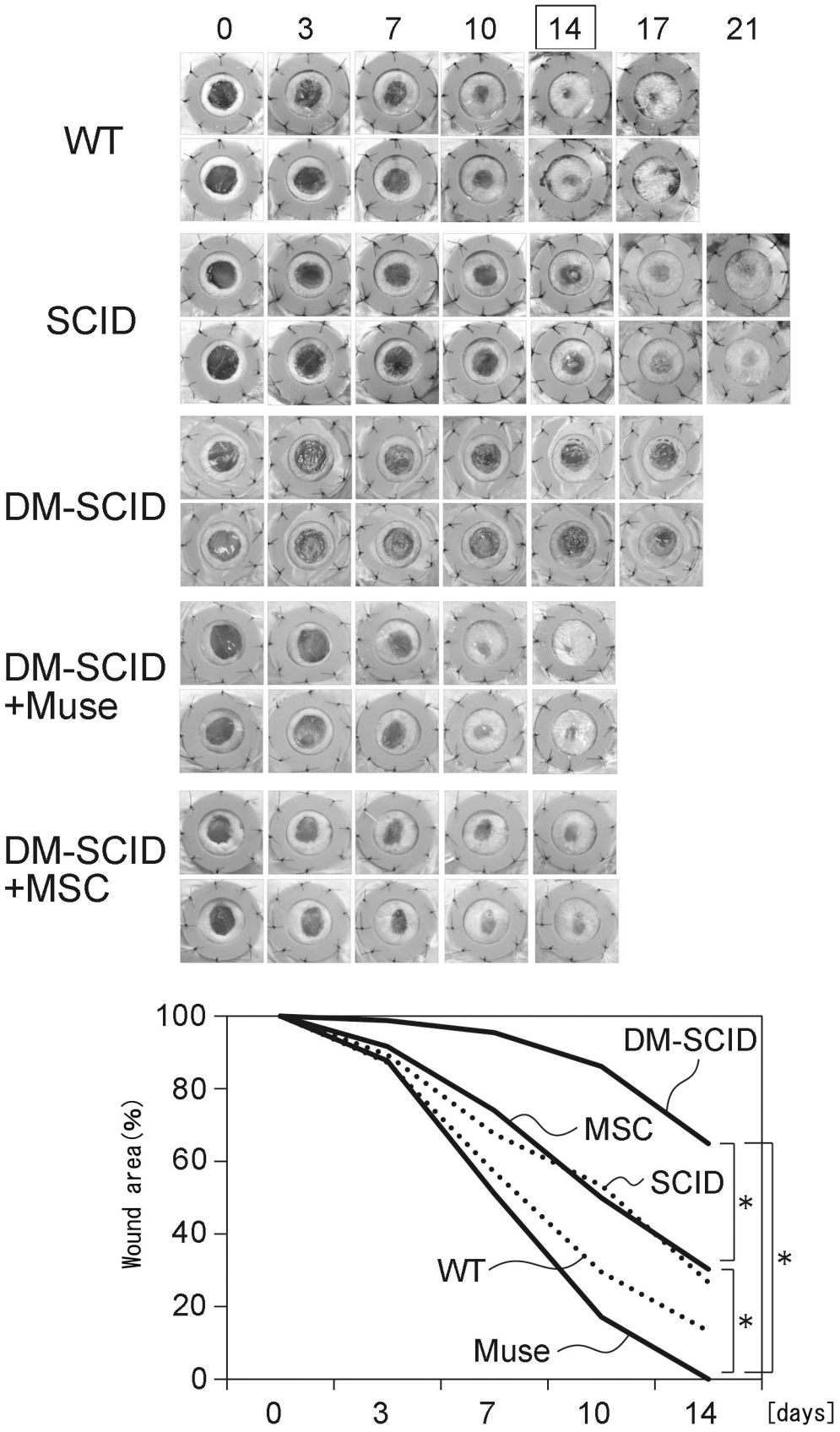

0
3
7
10
14
17
21
WT
SCID
DM-SCID
DM-SCID
+Muse
DM-SCID
+MSC
100
80
60
40
20
0
Wound area (%)
DM-SCID
MSC
SCID
WT
Muse
*
*
*
0
3
7
10
14
[days]

FIG. 4

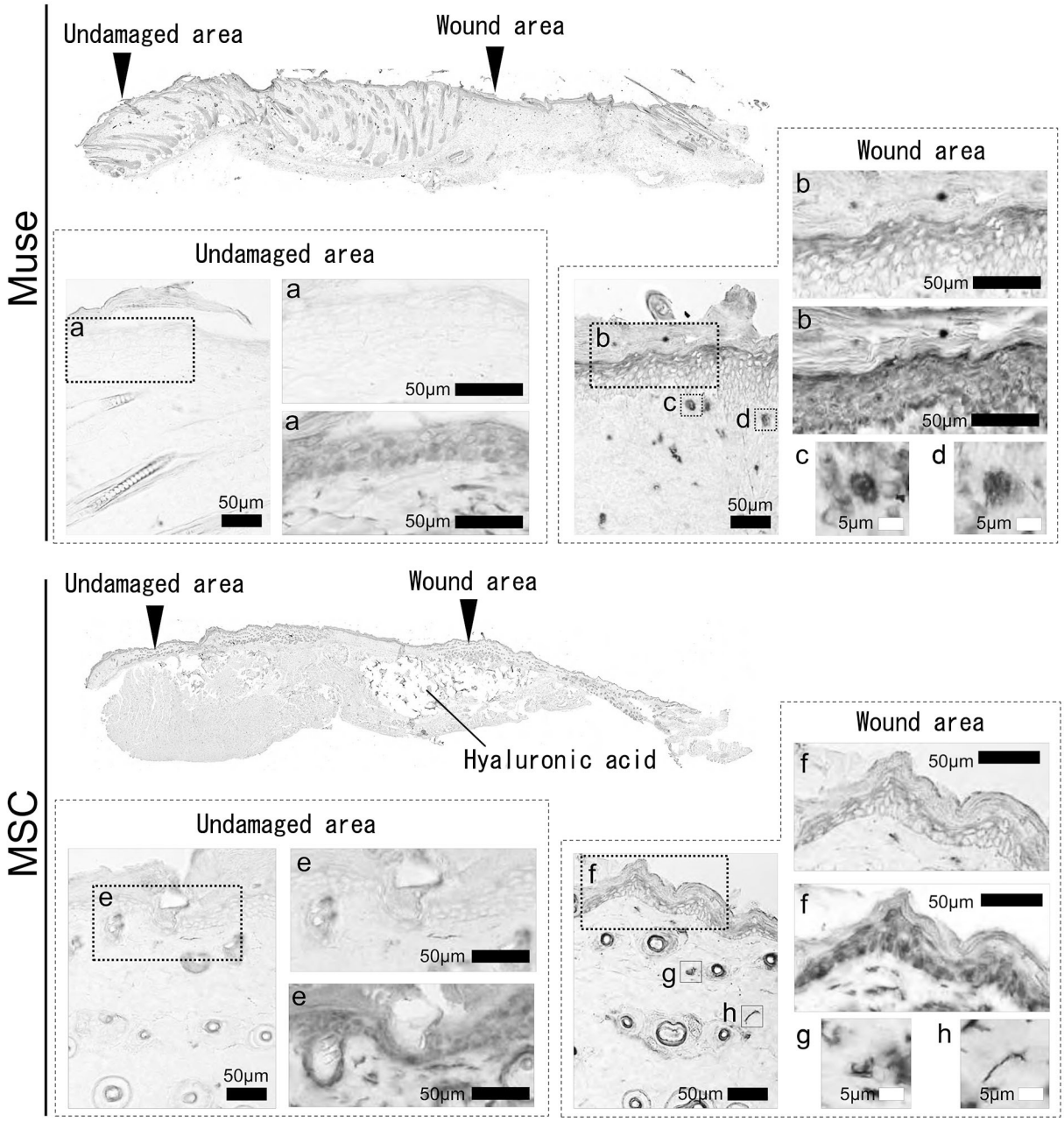
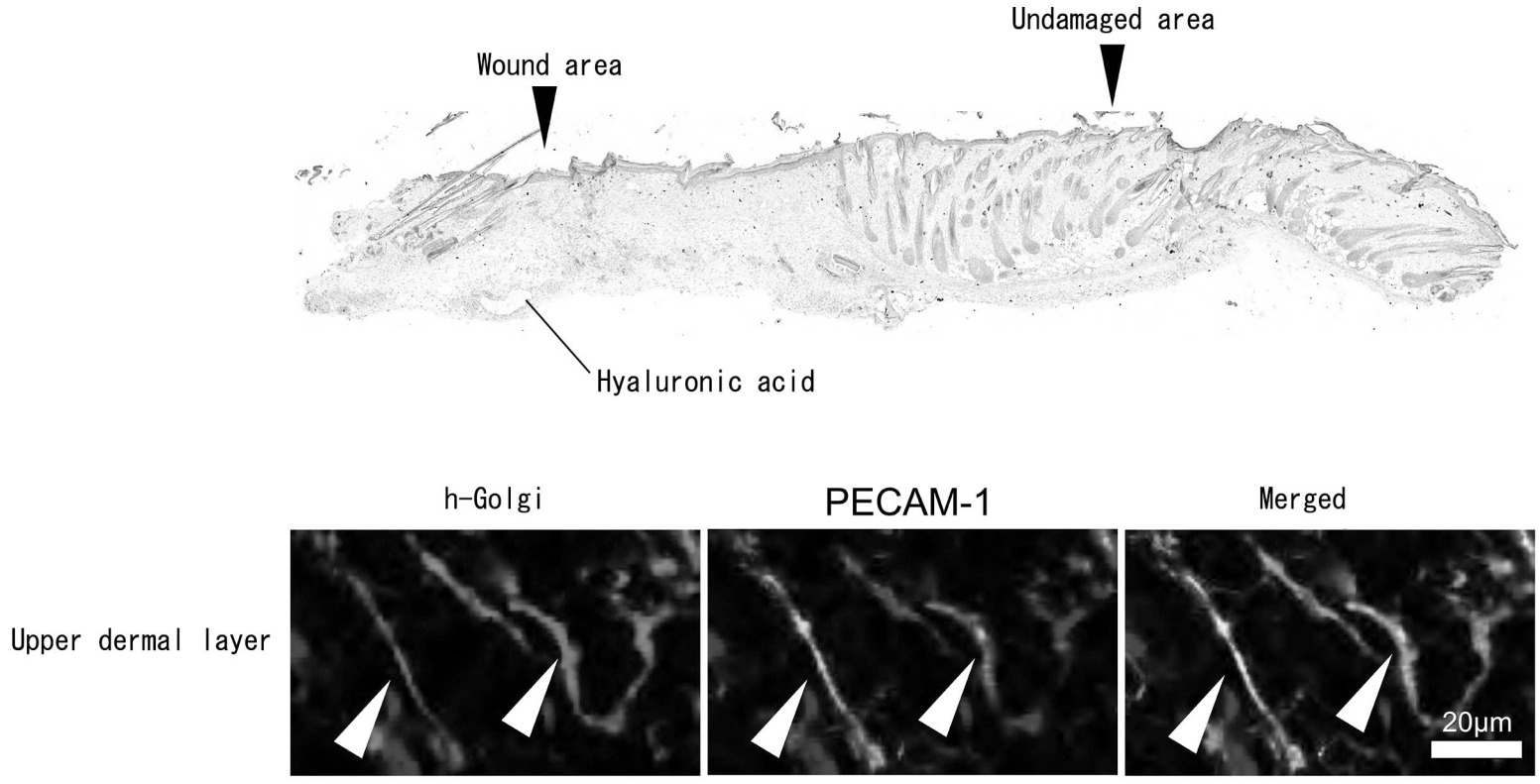

Muse
Undamaged area
Wound area
Undamaged area
a
a
50μm
a
50μm
50μm
Wound area
b
50μm
b
50μm
b
c
d
50μm
c
5μm
d
5μm
MSC
Undamaged area
Wound area
Hyaluronic acid
Undamaged area
e
e
50μm
e
50μm
50μm
Wound area
f
50μm
f
50μm
f
g
h
50μm
g
5μm
h
5μm

FIG. 5


Undamaged area
Wound area
Hyaluronic acid
h-Golgi
PECAM-1
Merged
Upper dermal layer
20μm