FIG. 1

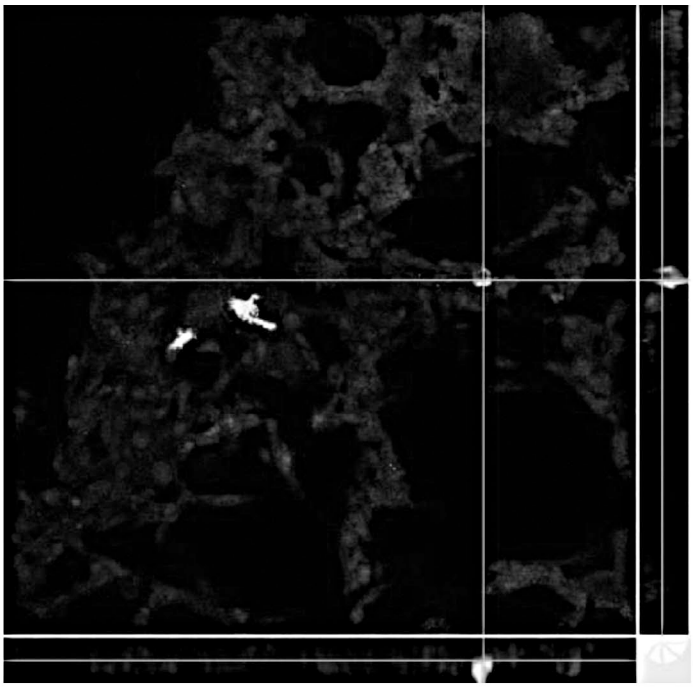


FIG. 2

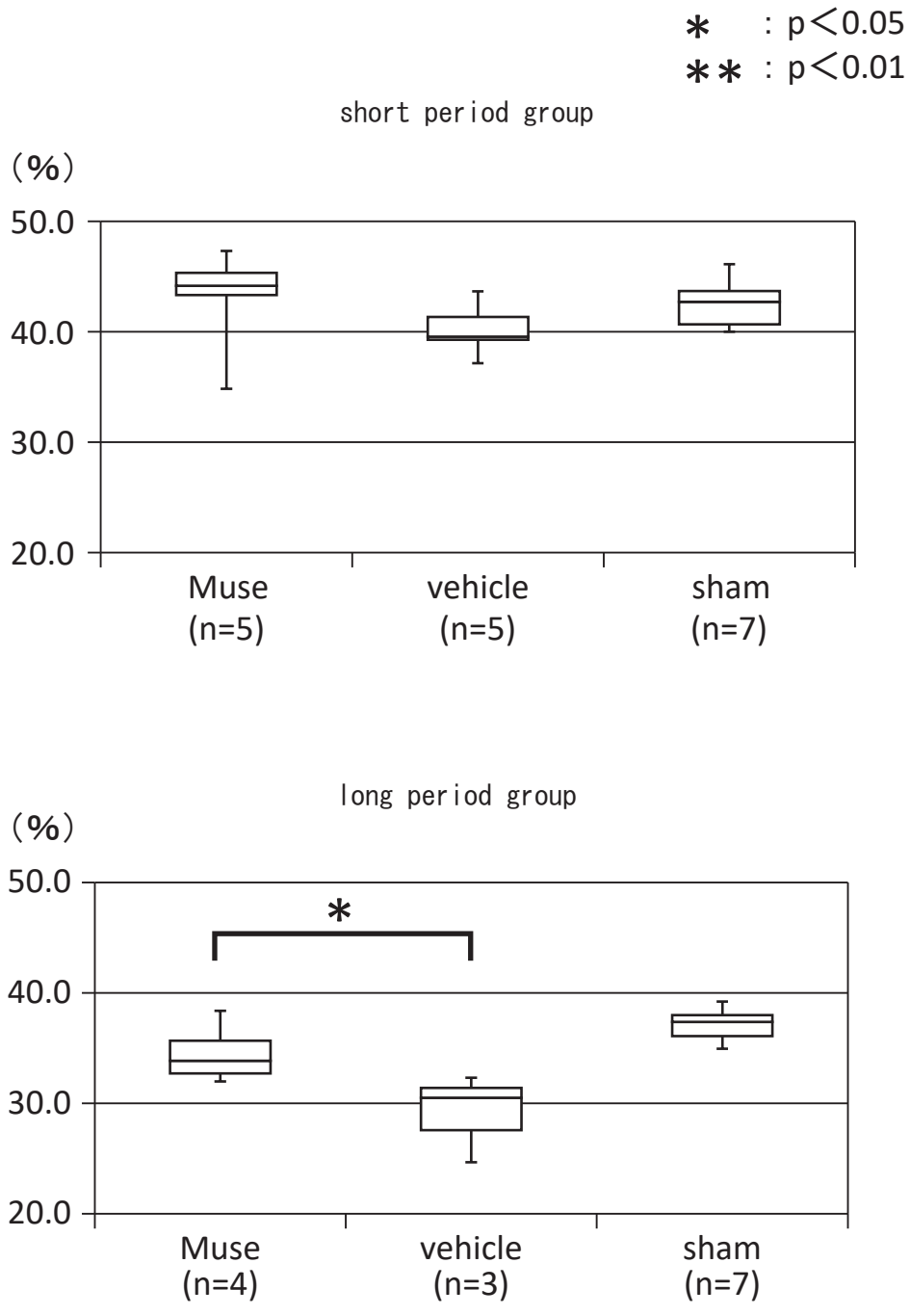

＊ : p＜0.05
＊＊ : p＜0.01
short period group
(%)
50.0
40.0
30.0
20.0
Muse
(n=5)
vehicle
(n=5)
sham
(n=7)
long period group
(%)
50.0
40.0
30.0
20.0
＊
Muse
(n=4)
vehicle
(n=3)
sham
(n=7)

FIG. 3

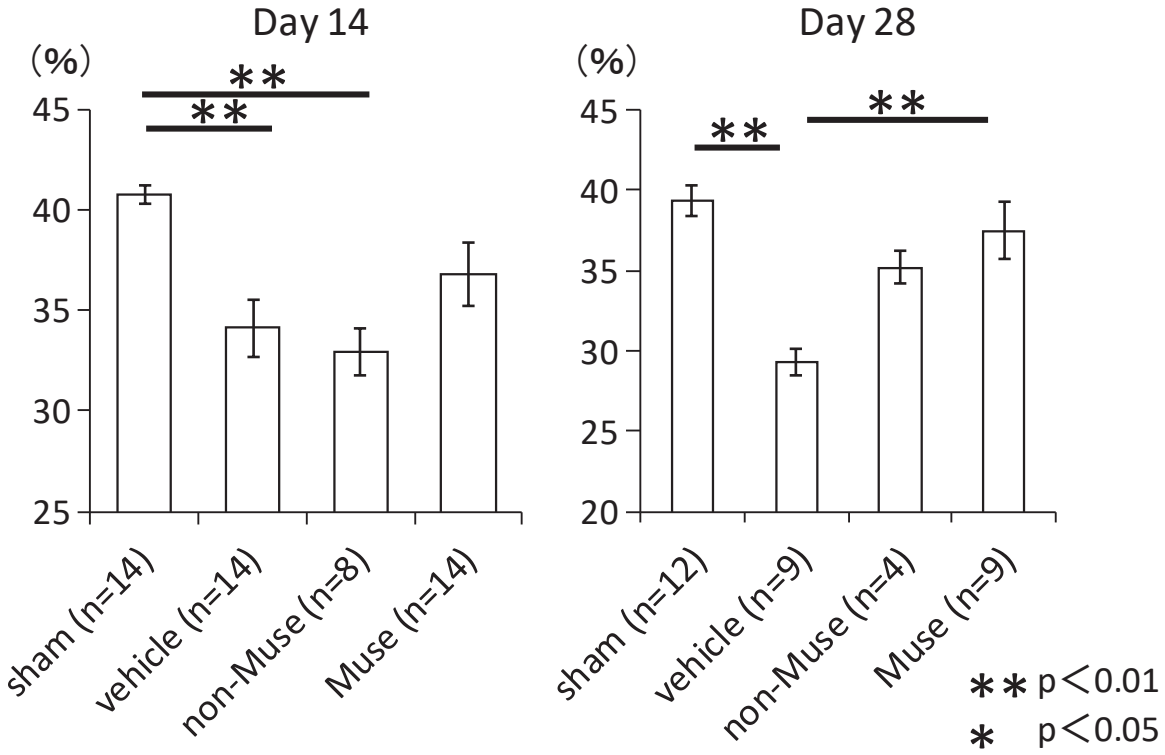

Day 14
(%)
45
40
35
30
25
**
**
sham (n=14)
vehicle (n=14)
non-Muse (n=8)
Muse (n=14)
Day 28
(%)
45
40
35
30
25
20
**
**
sham (n=12)
vehicle (n=9)
non-Muse (n=4)
Muse (n=9)
** p＜0.01
* p＜0.05

FIG. 4

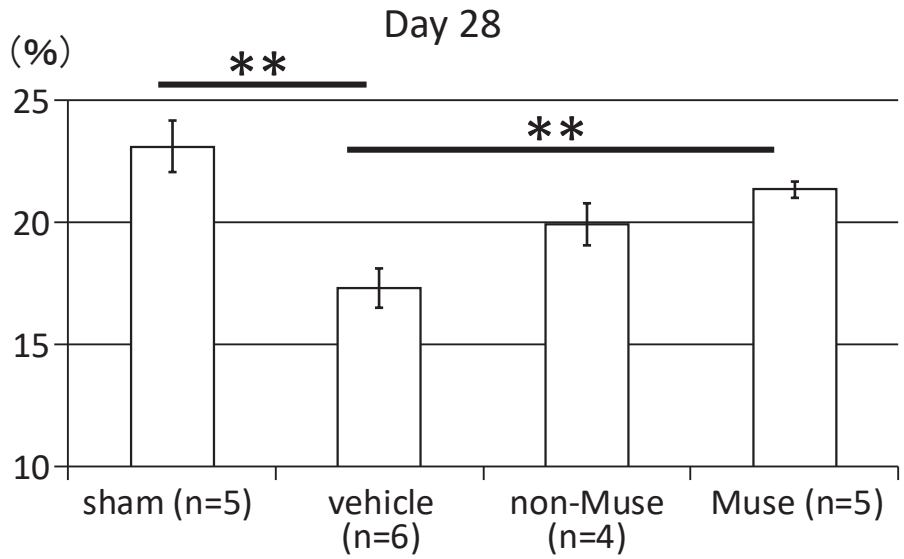

Day 28
(%)
25
20
15
10
**
**
sham (n=5)
vehicle (n=6)
non-Muse (n=4)
Muse (n=5)

FIG. 5

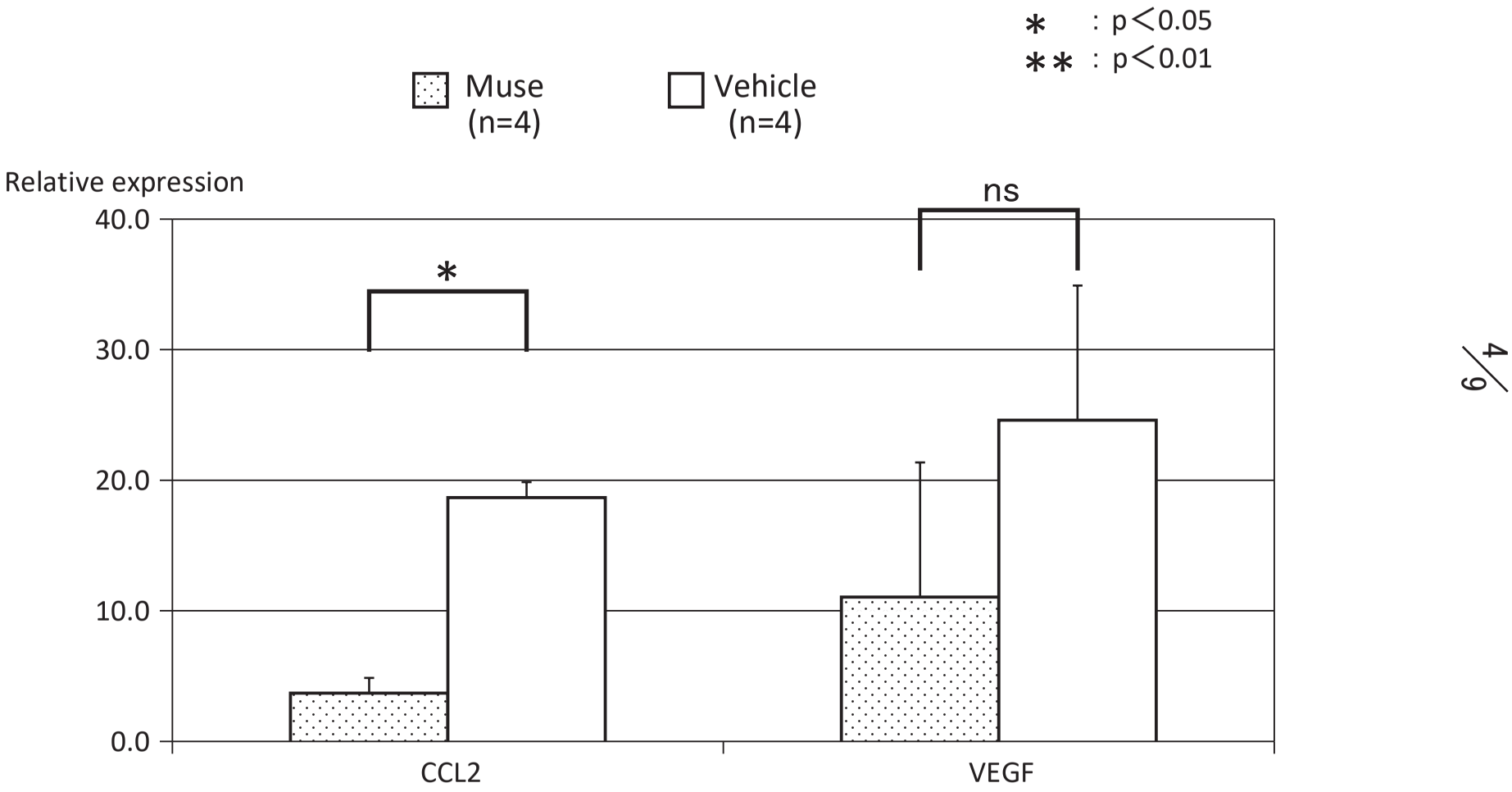

* : p＜0.05
** : p＜0.01
Muse (n=4)
Vehicle (n=4)
Relative expression
40.0
30.0
20.0
10.0
0.0
*
ns
CCL2
VEGF

FIG. 6

＊　：p＜0.05
＊＊：p＜0.01

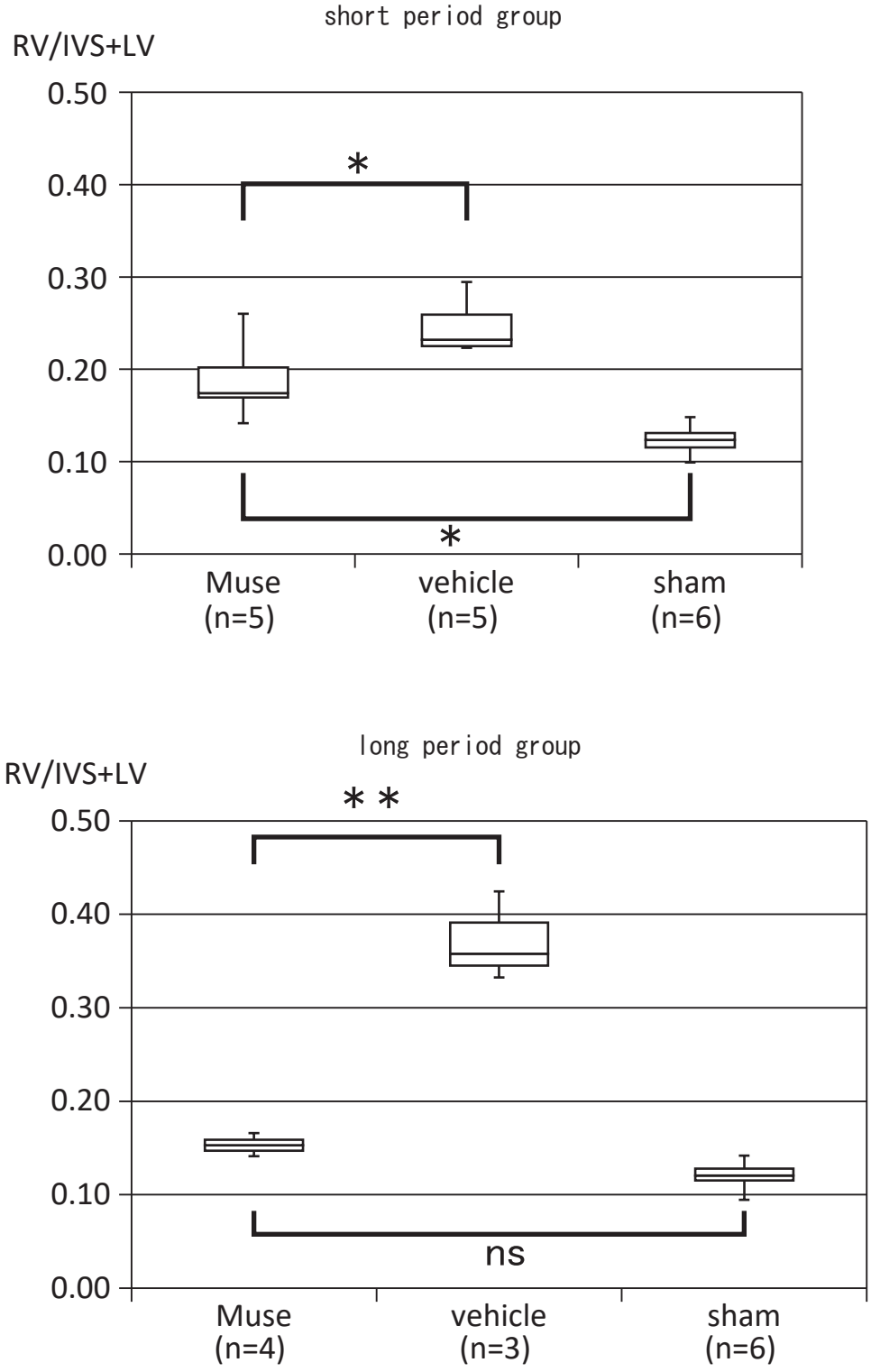


FIG. 7

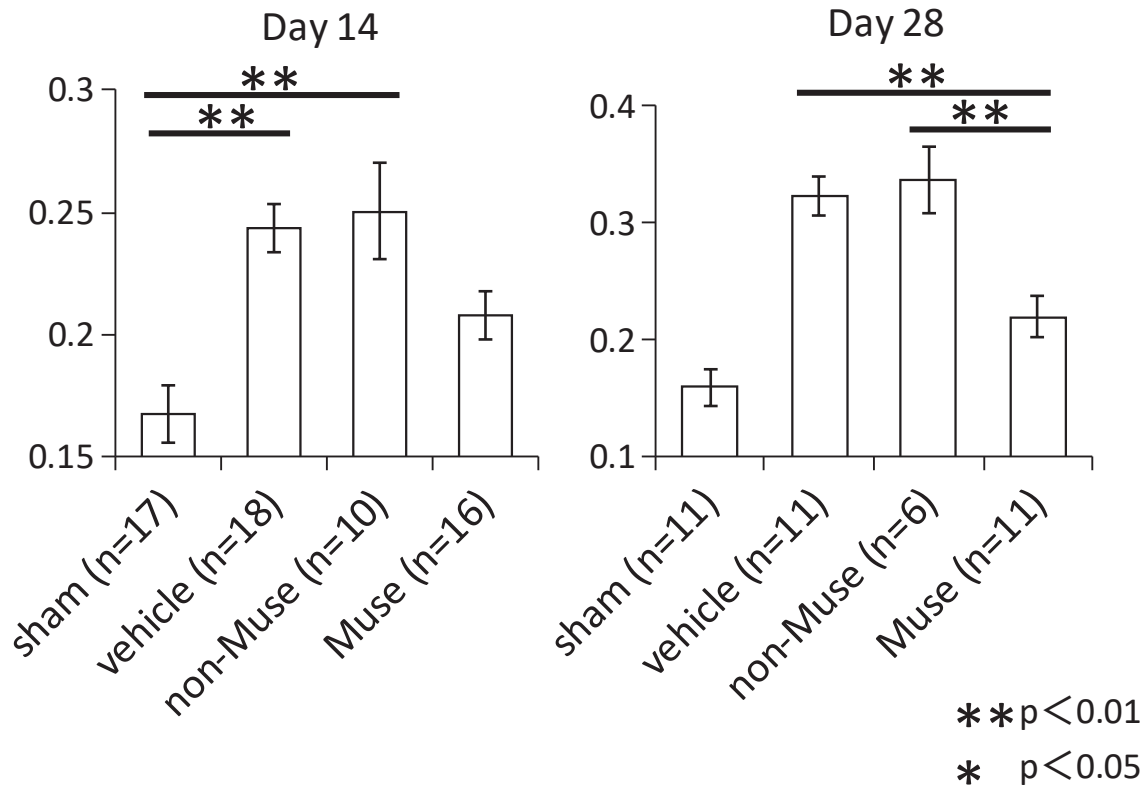

Day 14
Day 28
0.3
0.25
0.2
0.15
0.4
0.3
0.2
0.1
**
**
**
**
sham (n=17)
vehicle (n=18)
non-Muse (n=10)
Muse (n=16)
sham (n=11)
vehicle (n=11)
non-Muse (n=6)
Muse (n=11)
** p＜0.01
* p＜0.05

FIG. 8

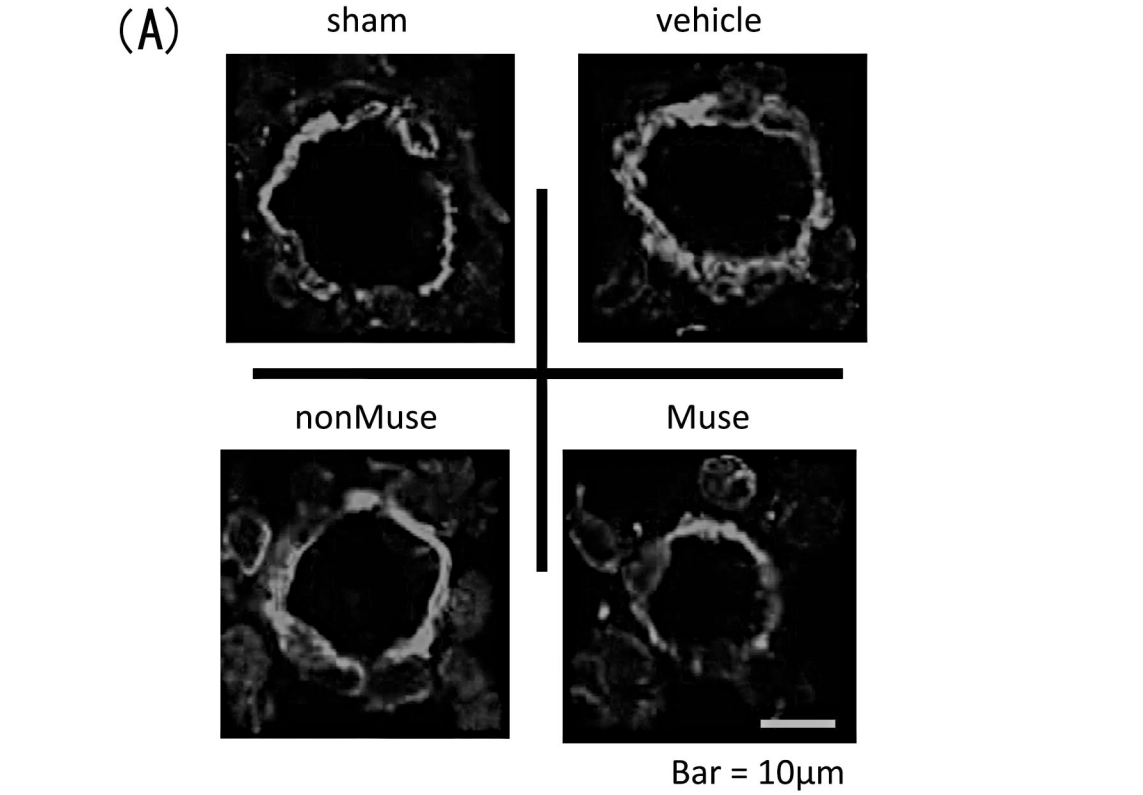

(A)
sham
vehicle
nonMuse
Muse
Bar = 10μm
(B)
Day 14
Day 28
(%)
sham (n=18)
vehicle (n=18)
non-Muse (n=10)
Muse (n=16)
sham (n=12)
vehicle (n=11)
non-Muse (n=6)
Muse (n=11)
**p＜0.01
*　p＜0.05

FIG. 9

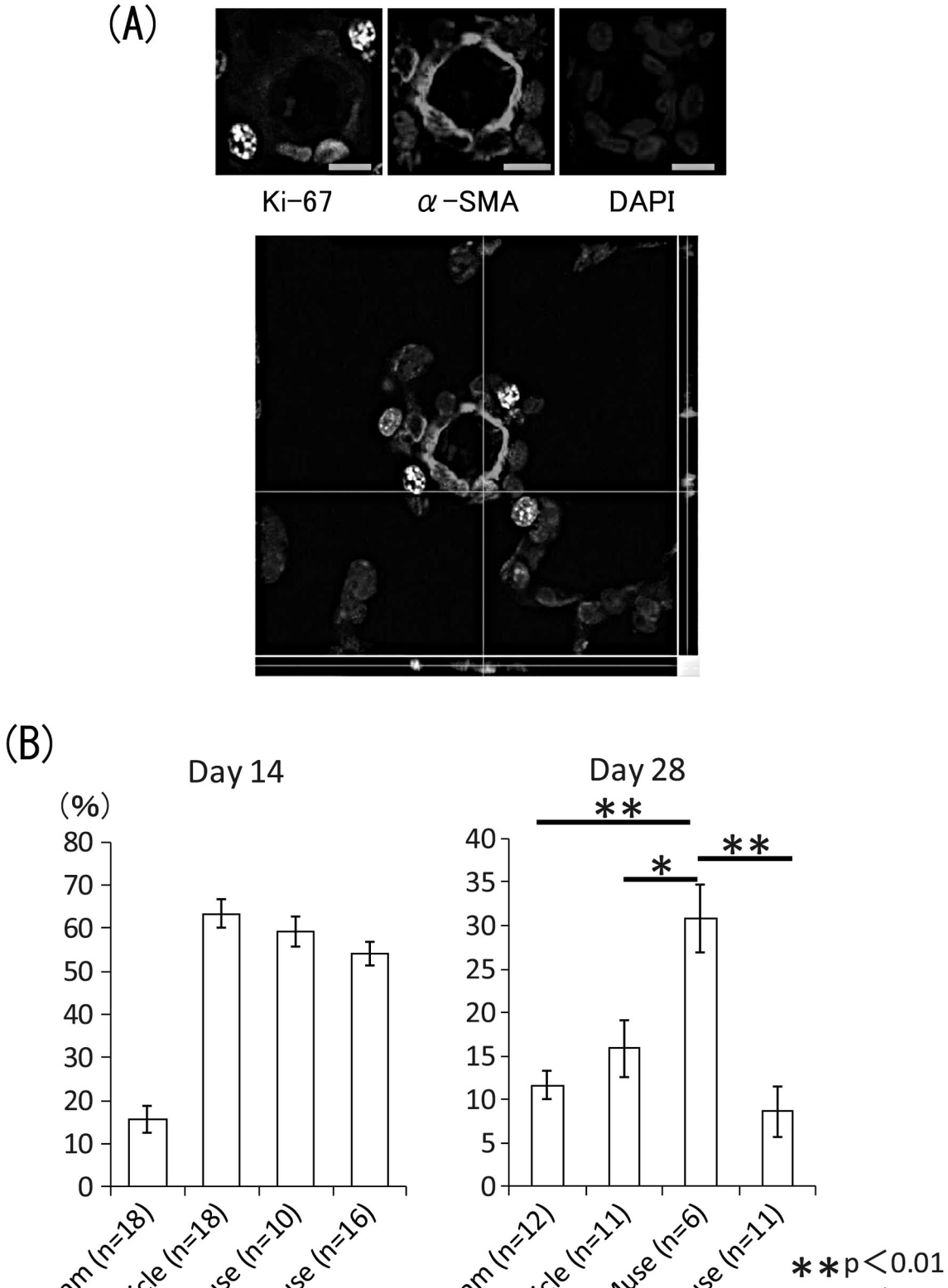
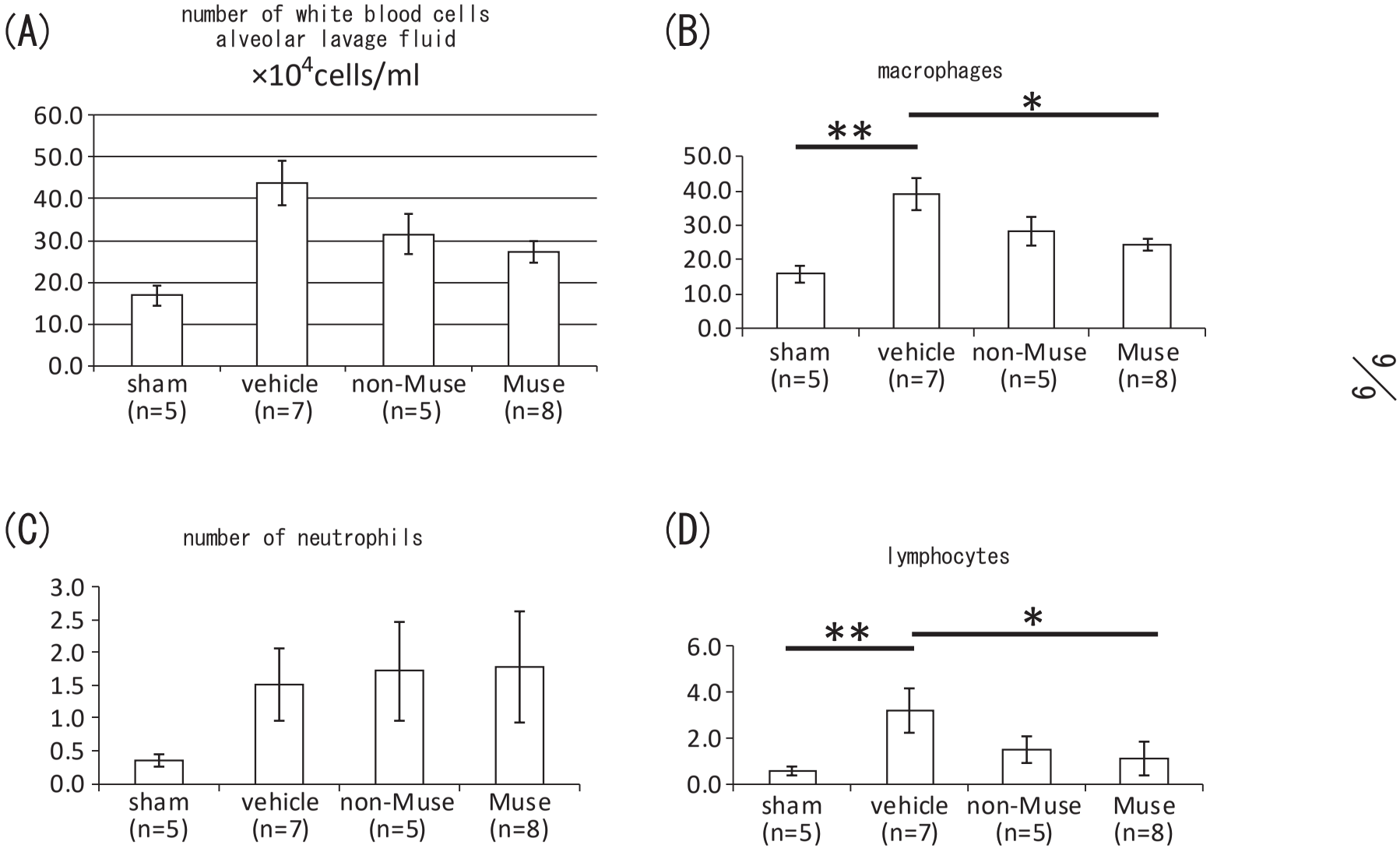

(A)
Ki-67
α-SMA
DAPI
(B)
Day 14
(%)
80
70
60
50
40
30
20
10
0
sham (n=18)
vehicle (n=18)
non-Muse (n=10)
Muse (n=16)
Day 28
40
35
30
25
20
15
10
5
0
**
*
**
sham (n=12)
vehicle (n=11)
non-Muse (n=6)
Muse (n=11)
** p＜0.01
* p＜0.05

FIG. 10


(A)
number of white blood cells
alveolar lavage fluid
×10^4cells/ml
60.0
50.0
40.0
30.0
20.0
10.0
0.0
sham (n=5)
vehicle (n=7)
non-Muse (n=5)
Muse (n=8)
(B)
macrophages
**
*
50.0
40.0
30.0
20.0
10.0
0.0
sham (n=5)
vehicle (n=7)
non-Muse (n=5)
Muse (n=8)
(C)
number of neutrophils
3.0
2.5
2.0
1.5
1.0
0.5
0.0
sham (n=5)
vehicle (n=7)
non-Muse (n=5)
Muse (n=8)
(D)
lymphocytes
**
*
6.0
4.0
2.0
0.0
sham (n=5)
vehicle (n=7)
non-Muse (n=5)
Muse (n=8)