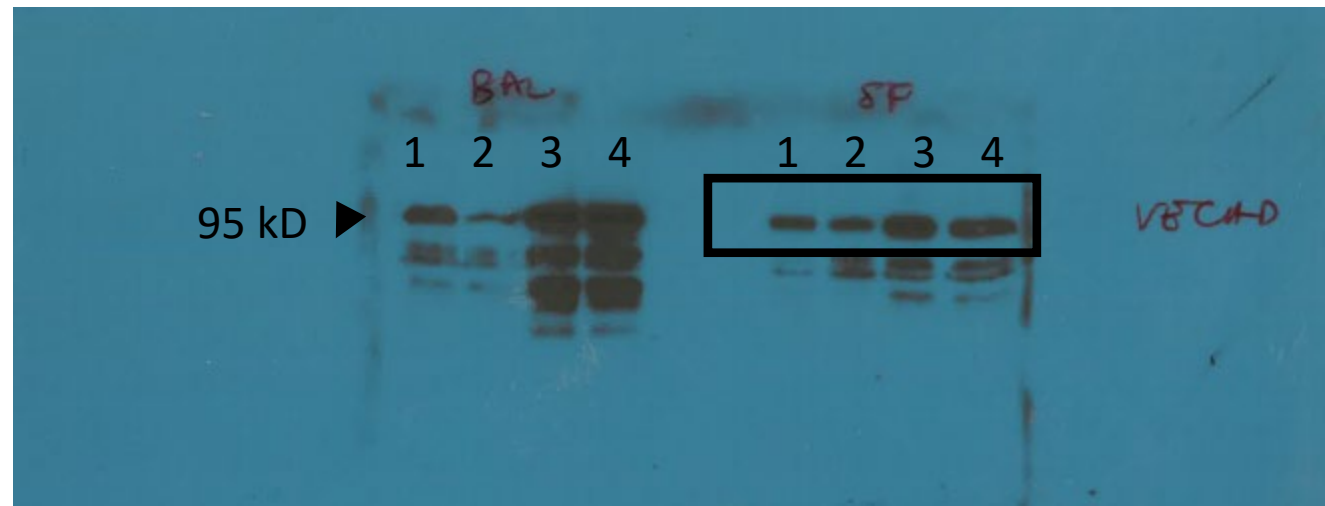


Uncropped Western Blots

Burg et al, Endothelial cell Sphingosine 1-Phosphate Receptor 1 restrains VE-cadherin cleavage and attenuates experimental inflammatory arthritis

Figure 3G (boxed area is in figure)

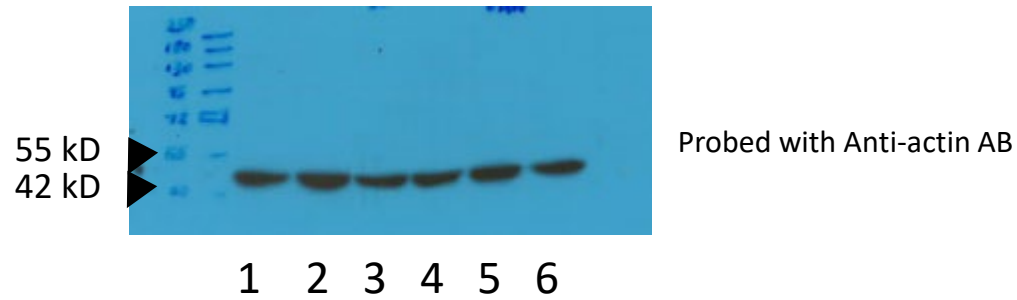
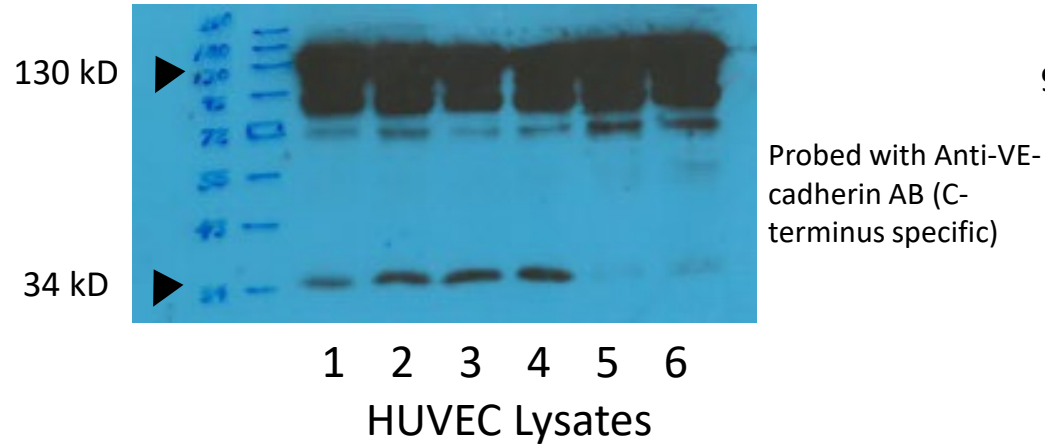


Probed with
Anti-VE-cadherin
BV9 (N-terminus
specific)

- 1 BAL control mouse 1
- 2 BAL control mouse 2
- 3 BAL S1PR1 ECKO mouse 1
- 4 BAL S1PR1 ECKO mouse 2

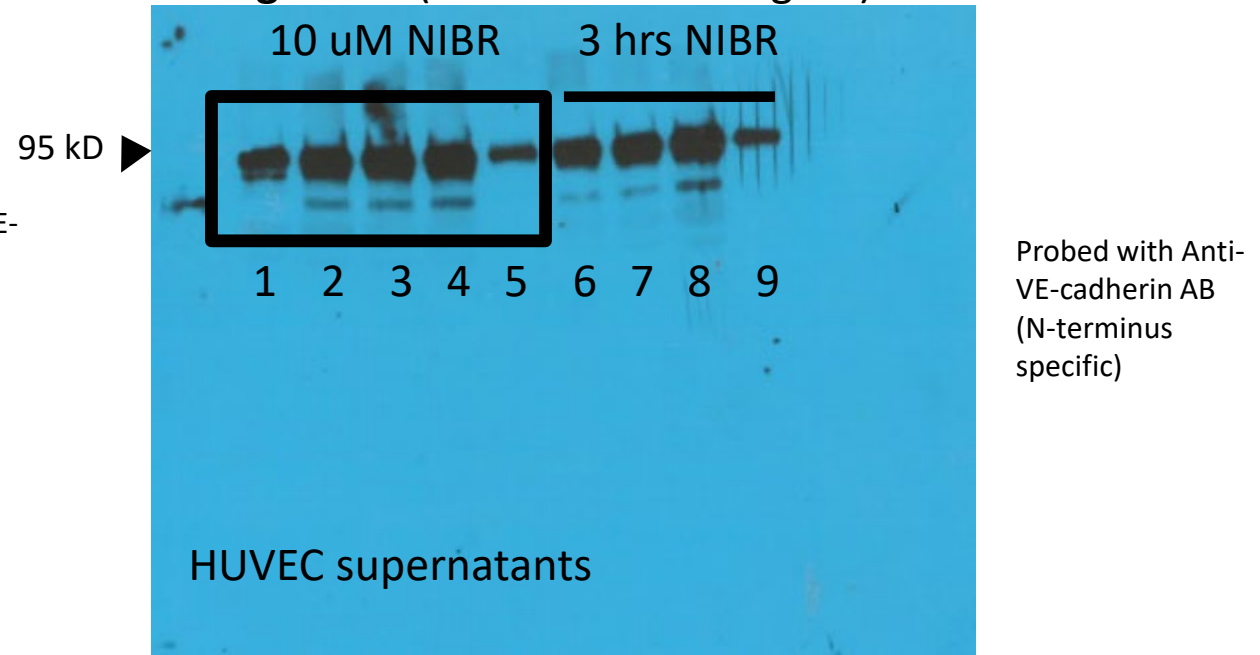
- 1 synovial lavage control mouse 1
- 2 synovial lavage control mouse 2
- 3 synovial lavage S1PR1 ECKO mouse 1
- 4 synovial lavage S1PR1 ECKO mouse 2

Figure 4B (entire blot in figure)



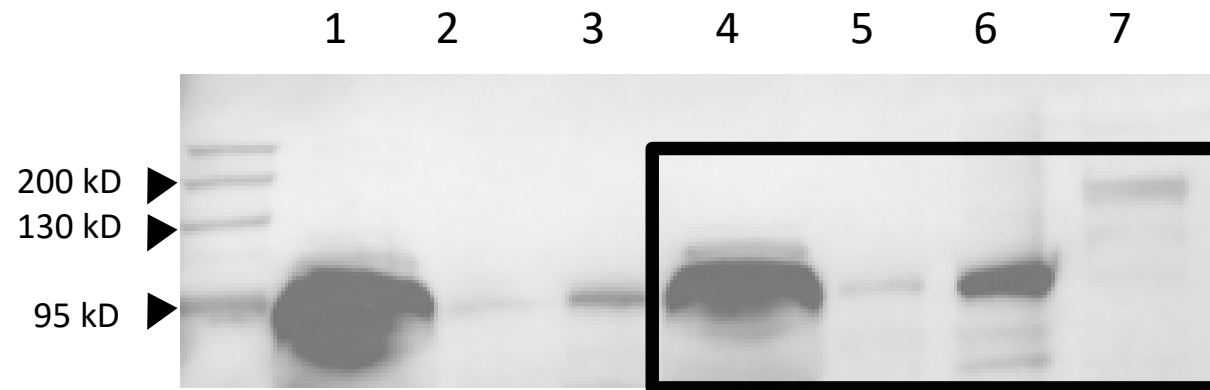
- 1 control
- 2 NIBR (10 uM) 30 min
- 3 NIBR (10 uM) 60 min
- 4 NIBR (10 uM) 180 min
- 5 NIBR (10 uM) 180 min + Marimastat
- 6 180 min control + Marimastat

Figure 4C (boxed area is in figure)



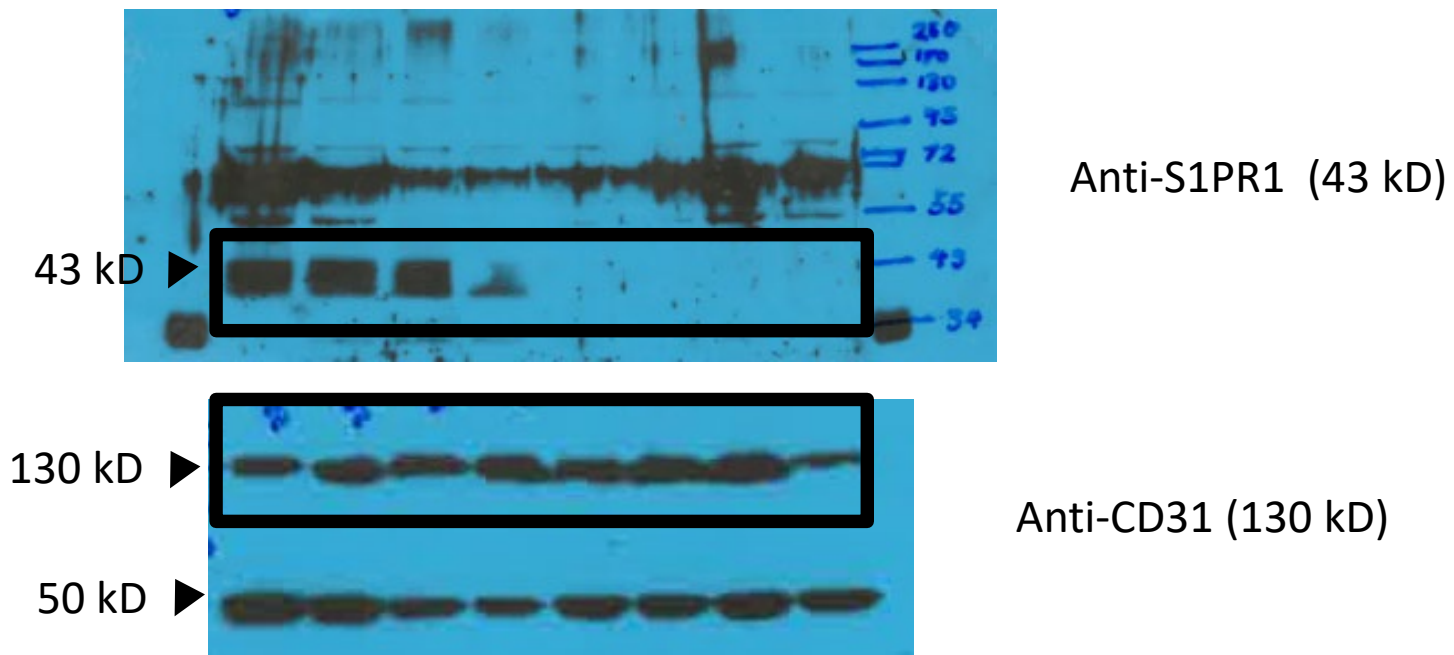
- 1 control
- 2 NIBR (10 uM) 30 min
- 3 NIBR (10 uM) 60 min
- 4 NIBR (10 uM) 180 min
- 5 NIBR (10 uM) 180 min + Marimastat
- 6 NIBR (3hr) 1uM
- 7 NIBR (3hr) 5 uM
- 8 NIBR (3hr) 10 uM
- 9 NIBR (3hr) 10 uM + Marimastat

Figure 5B (boxed area in figure)



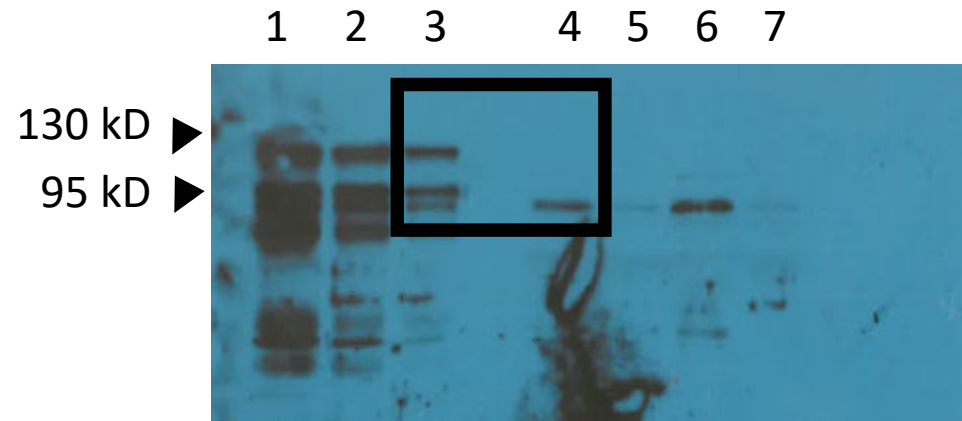
- 1 Plasma mouse 1
- 2 BAL fluid baseline mouse1
- 3 BAL fluid after NIBR-0213 mouse1
- 4 Plasma mouse 2
- 5 BAL fluid baseline mouse 2
- 6 BAL fluid after NIBR-0213 mouse 2
- 7 HUVEC lysate (to show full length VE-cadherin)

Supplemental data 2 (boxed areas in figure)



- 1 S1PR1 f/f 1
- 2 S1PR1 f/f 2
- 3 S1PR1 f/f 3
- 4 S1PR1 f/f 4
- 5 S1PR1 ECKO 1
- 6 S1PR1 ECKO 2
- 7 S1PR1 ECKO 3
- 8 S1PR1 ECKO 4

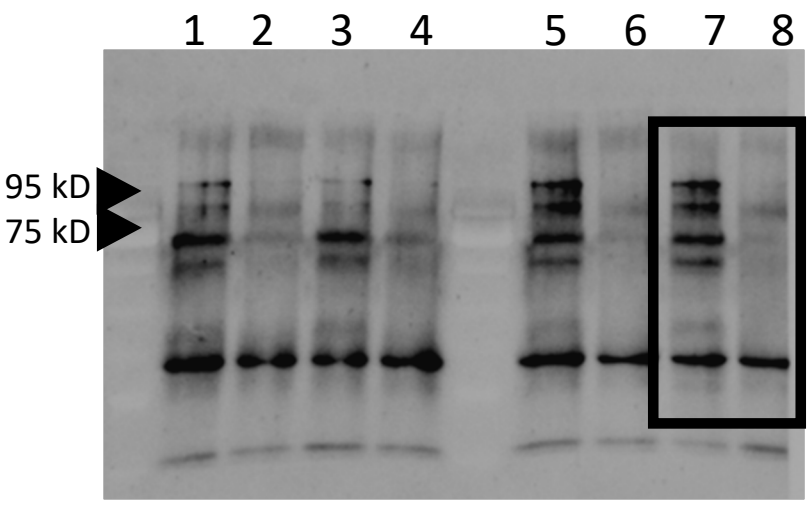
Supplemental data 6 (boxed area in figure)



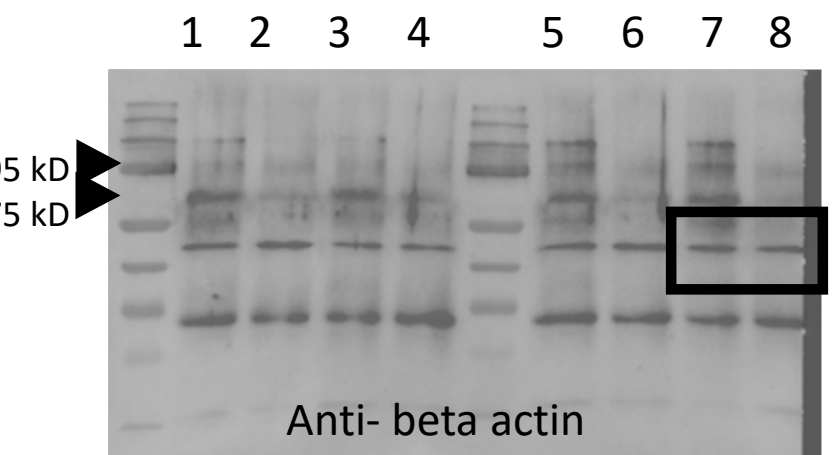
Anti-VE-cadherin (BV9) N-terminus specific

- 1 Lung lysate 1
- 2 lung lysate 2
- 3 lung lysate 3
- 4 synovial fluid 1
- 5 synovial fluid 2
- 6 synovial fluid 3
- 7 synovial fluid 4

Supplemental data 10 B (boxed areas in figure)

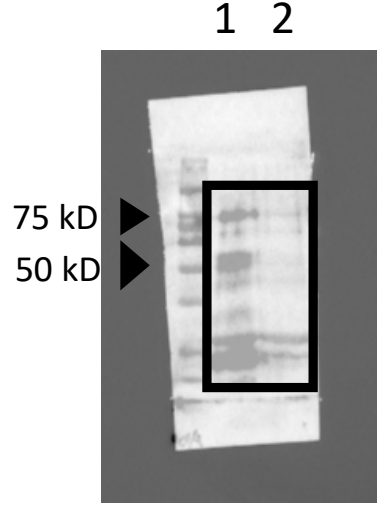


Anti-ADAM17

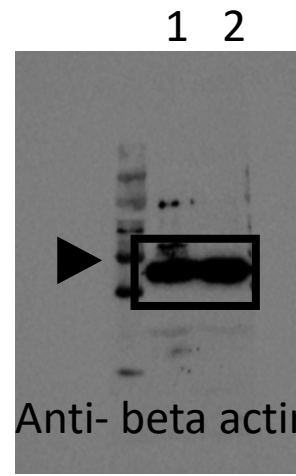


Anti- beta actin

1,3,5,7. control siRNA
2,4,6,8. ADAM17 siRNA

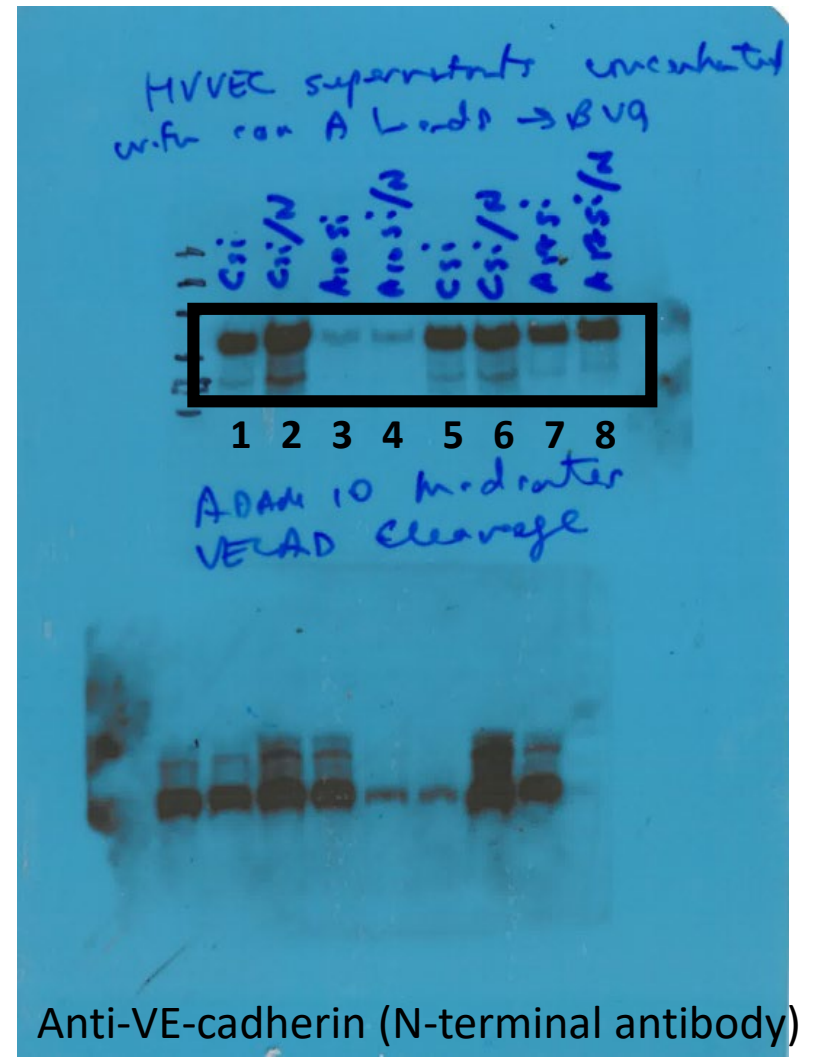


Anti-ADAM10



Anti- beta actin

1. control siRNA
2. ADAM 10 siRNA



Anti-VE-cadherin (N-terminal antibody)

1 cntl siRNA	5 cntl siRNA
2 cntl siRNA+NIBR	6 cntl siRNA+NIBR
3 ADAM10 siRNA	7 ADAM17 siRNA
4 ADAM10 siRNA+NIBR	8 ADAM17 siRNA+NIBR

Bottom- longer exposure, flipped