

## **DTH (delayed type hypersensitivity) Protocol**

1. Apply 150 $\mu$ L 0.5% DNFB solution in acetone/olive oil (4:1) to the shaved mice backs.
2. 7 days later, challenge right ears with 20 $\mu$ L 0.3% DNFB solution. Administer identical amount of acetone/olive oil (4:1) to the left ear as control. Apply acetone/olive oil (4:1) to ears and backs of mice of control group.
3. 2h after sensitization, inject MSCs to the caudal veins of mice respectively.
4. Sacrifice all the animals by cervical dislocation 48h after sensitization and harvest ear samples. After measurement, analyze samples by qPCR and immunofluorescence.