

In vivo Pharmacology: KLH Induced Delayed Type Hypersensitivity (KLH-DTH)-Mouse

Species, strain, sex:	mouse, BALB/c, female
No. of animals per group:	n=8
Pharmacological control:	cyclosporine A, po
Routes of administration:	upon request
Treatment mode:	prophylactic, therapeutic
Duration of dosing:	upon request

The KLH_DTH model is designed to induce a hypersensitivity reaction, based on immunization with keyhole limpet hemocyanin. The model is characterized by elevated tissue concentrations of IFN- γ (Th1) and IL-4 (Th2) cytokines.

Main read-outs:

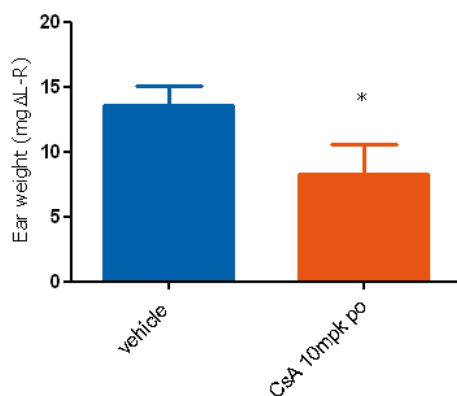
- ear swelling
- caliper measurement
- weight

Facultative read outs:

- cytokines in tissue homogenates
- histopathology

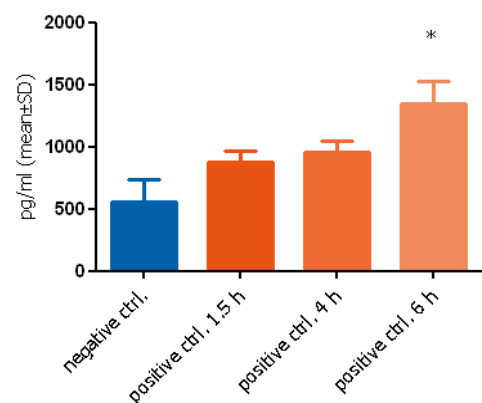
At the end of the experiment ear or punch biopsy weight is measured. Ears and other selected tissues are collected to be subsequently analyzed or sent to the client, as requested.

Mouse KLH DTH ear weight



*p<0,05 vs vehicle, Mann Whitney test

Mouse KLH DTH
IFN- γ concentration in ear tissue



*p<0,05 vs vehicle
Kruskal-Wallis test, Dunn's Multiple Comparison Test