

In Vivo Lymphocyte Homing in Mice
IACUC Standard Procedure
Effective Date: May 2016



Description of procedure:

Donor mice will be euthanized per the UCSF Euthanasia Policy for Rodents and lymphoid organs will be harvested to prepare leukocytes for injection into the recipients of the same genetic background. These leukocytes may be labeled with a non-toxic fluorescent dye for tracking purposes. Recipient mice will be kept warm to facilitate vasodilation and restrained briefly in a mouse restrainer. At time 0, antibody or other test compound in sterile saline may be injected IV into the tail vein per the UCSF Tail Vein Injection procedure. After one hour, the mouse is again injected by IV into the tail vein with 3×10^6 leukocytes from the donor mice in sterile saline are injected into the tail vein. The mouse is returned to the cage. Endpoints for experiments are varied and the timeline will be specified in the individual protocol.

Agents:

This procedure requires fluorescent dye, test compound, and sterile saline. All agents administered to animals should be listed in the "Agents" section of the RIO IACUC protocol.

Adverse Effects:

Adverse effects should be listed in the "Adverse Effects" section of the RIO IACUC protocol.

Examples of potential adverse effects include: Reaction to agent including lethargy and labored breathing