ImmunoTools IT-Box-Cy55M-Award 2013

Zhilin Li

PhD Supervisor: Dr. Li Tian

Neuroscience Center, University of Helsinki
Room A124b, Viikinkaari 4, FI-00014, Helsinki, Finland

Immune regulatory function of neuronal adhesion molecules and their role in inflammatory diseases

Currently I am conducting research on how neuronal adhesion molecules regulate immune cell function, specifically on T cell function, such as T cell activation, differentiation and so on.

In our lab, we have a knock-out mouse line available. To address this question, I will prepare mouse cells from different mouse organs, such as brain, spinal cord, spleen, lymph nodes etc and use the ImmunoTools cytokines for the in vitro stimulation for example naive T cells toward Th1, Th2, or Th17 polarization.

In addition, as I am also interested in the innate cell function such as macrophage and granulocytes, I will isolate mouse spleen and bone marrow and prepare cells using ImmunoTools cytokines as the growth factors for the innate cells in vitro culture and to study their function under different conditions. Therefore, it would be really helpful for my PhD project. Thanks for your favourable consideration.

ImmunoTools IT-Box-Cy55M for Zhilin Li includes 55 recombinant cytokines

rm EGF, rm Eotaxin / CCL11, rm FGF-a / FGF-1, rm FGF-b / FGF-2, rm FGF-8, rm Flt3L / CD135, rm G-CSF, rm GM-CSF, rm GRO-a / CXCL1, rm GRO-b / CXCL2, rm IFNgamma, rm IL-1alpha, rm IL-1beta, rm IL-2, rmIL-3, rm IL-4, rm IL-5, rm IL-6, rm IL-7, rm IL-9, rm IL-10, rm IL-11, rm IL-13, rm IL-15, rm IL-16, rm IL-17A, rm IL-17C, rm IL-17F, rm IL-19, rm IL-20, rm IL-21, rm IL-22, rm IL-25 / IL-17E, rm IL-27, rm IL-31, rm IL-33, rm IP-10 / CXCL10, rm LIF, rm MCP1 / CCL2, rm M-CSF, rm MIP-1α/ CCL3, rm MIP-1β / CCL4, rm MIP3α / CCL20, rm MIP3β / CCL19, rm NGF-beta, rm PDGF-AA, rm PDGF-BB, rm RANTES / CCL5, rm sCD40L / CD154, rm SCF, rm SDF-1α / CXCL12a, rm SDF-1β / CXCL12b, rm TNFα, rm TPO, rm VEGF DETAILS