

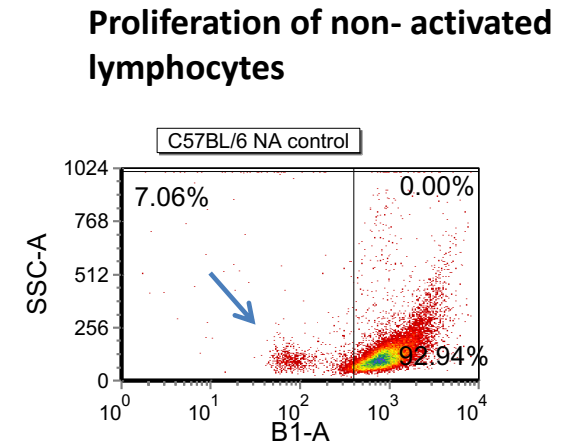
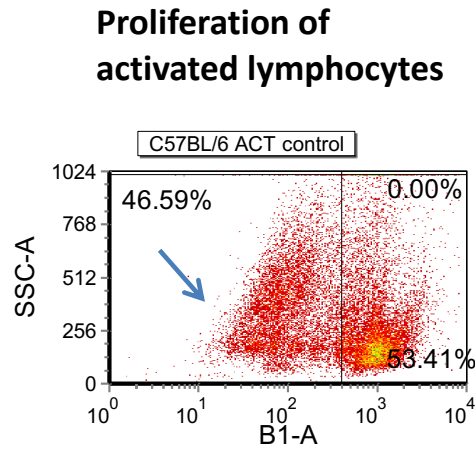
# **The Efficacy of NexQuest Life Sciences Natural Frequency Technology, Life and Immune Cards, on lymphocyte activation (in vitro model for inflammation.)**

The effect of the Natural Frequency Technology (NFT ) and 'sham' disks on lymphocyte activation was tested using In vitro system of mice lymphocyte polyclonal activation. CFSE assay:

Polyclonal activation was performed using splenocytes from 2 different strains of mice (C56BL6 or Balb/C). Cells were labeled with carboxyfluorescein diacetate succinimidyl ester (CFSE) and then activated using anti-CD3 antibodies for 4 days. Responder cell proliferation, as a marker for activation, was determined by Flow cytometry.

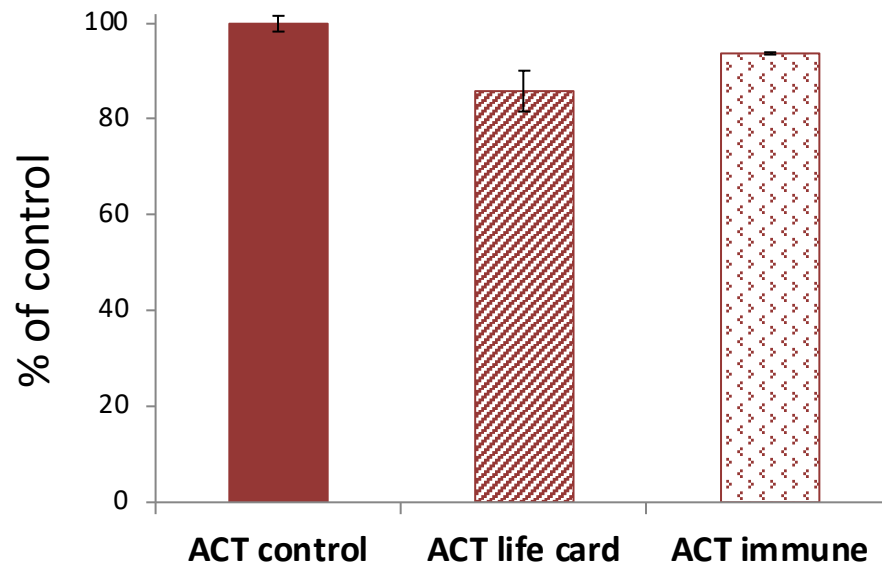
# Results- C56BL6

Controls:



## Activated lymphocyte proliferation

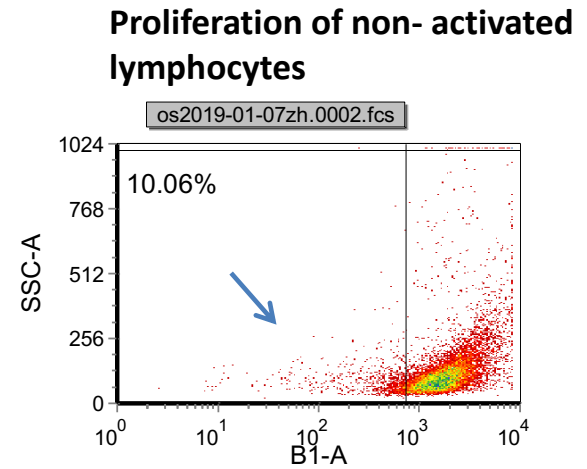
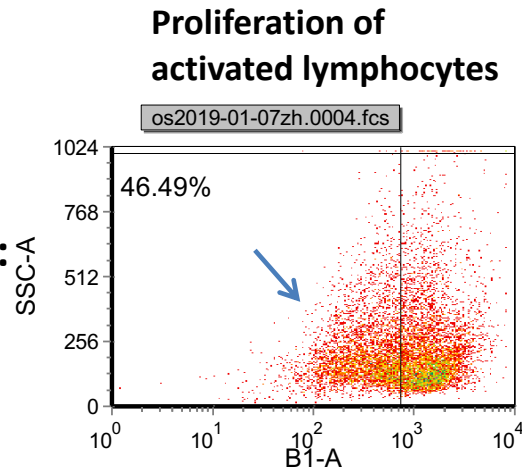
In this experiment, Life cards reduced lymphocyte proliferation by 14% and immune cards reduced lymphocyte proliferation by 6%. These results encourage us to further investigate the anti-inflammatory properties of the NFT cards.



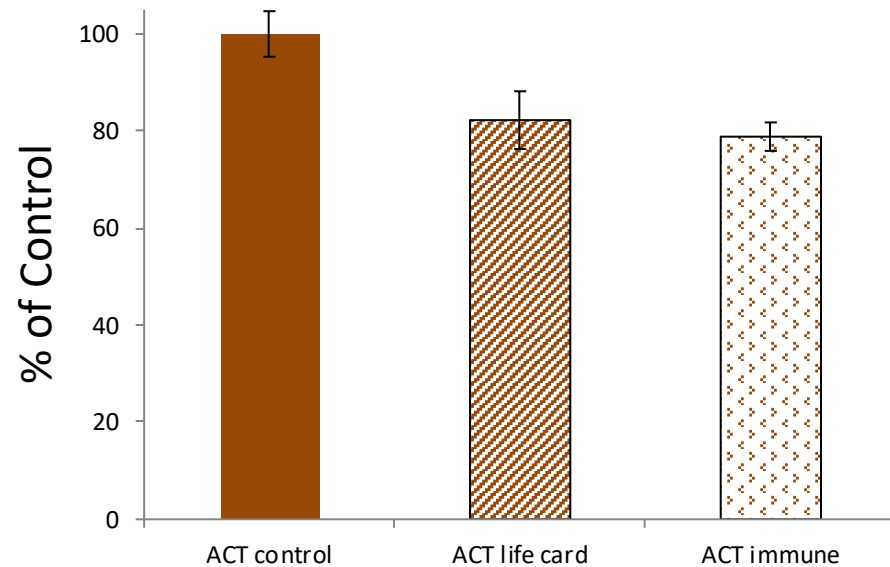
ACT- activated, NA- non-activated

# Results- Balb/C

Controls:



In this experiment, Life cards reduced lymphocyte proliferation by 18% and immune cards reduced lymphocyte proliferation by 21%. These results encourage as to further investigate the anti-inflammatory properties of the NFT cards.

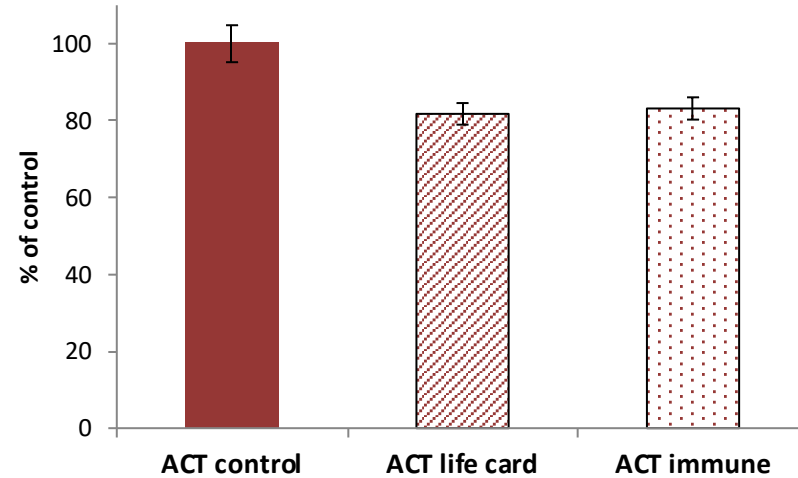


ACT- activated, NA- non-activated

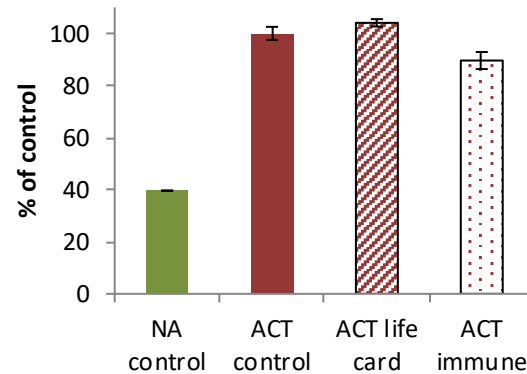
# Results-Balb/C - 2<sup>nd</sup> experiment

In this experiment, Life cards reduced lymphocyte proliferation by 18% and immune cards reduced lymphocyte proliferation by 17%.. The activation related elevation in the percentage of CD8 T cells was inhibited only by immune cards (10%). The activation related elevation in the percentage of CD4 T cells was inhibited by Life cards (9%) and by immune cards (11%).

## proliferation



## CD8



## CD4

