

TruActive™ MPC 85 Results from a Mouse-Model Asthma Pilot Study



Researchers from the Centre Hospitalier Universitaire Vaudois in Switzerland studied the therapeutic effects of UHT milk, raw milk and TruActive™ MPC 85 in a controlled asthma mouse-model pilot trial. Six mice in each group, starting at 4 weeks of age, were given increasing doses of each dairy product soaked into cereal.

Every week, as the food consumption of the mice increased, the solution concentration was increased from 15 mg/ml the first week, 20mg/ml the second week,etc up to a maximum of 35-40 mg/ml at adult age. During the final 2 weeks, mice were exposed to house dust mite (HDM) extract 3 times per week (i.e. 6 exposures in total). This is a standard asthma model in mice and can be referenced at Trompette et al, Nature Medicine 2014.

The results below highlight the proportion of Eosinophils, which are the most important asthmatic parameter, and higher eosinophilia means a stronger 'allergic asthma-like' response.

Healthy airways are 90+% macrophages, while HDM exposed mice have higher levels of Eosinophils. The superior Eoisinophils reduction demonstrated by both raw milk and TruActive™ MPC 85 highlights the benefits provided by immune active raw milk proteins in protecting airways from HDM exposure. Consumption of TruActive™ MPC 85 should reduce the severity of asthma symptoms.

