

Anti-allergic effect

Effect of Lactobacilli metabolites on the allergy model mice

1) Materials and methods

Tested sample: Lactobacilli metabolites complex II (= Lmc II ; Filtrate liquid through the mixture of the fermented Lactobacilli culture)

Animals: Ovalbumin-sensitized allergy model mice

Methods: Ovalbumin-sensitized allergy model mice were prepared by intraperitoneal injections of ovalbumin (20 μ g) at days 0 and 14. Lmc II was ad lib given with drinking water at the concentrations of 10% and 20% for 3 weeks to the normal and ovalbumin-sensitized mice. After 3 weeks (at day 21), serum Ig E was determined in each mouse.

2) Results

Figure 4 shows the serum Ig E levels in the normal and ovalbumin- sensitized allergy model mice at the end of the test. The result indicates that Lmc II may exhibit a dose-dependent lowering effect of the serum Ig E level, although a significant difference was not observed between the groups.

3) Conclusion

It is likely that Lactobacilli metabolites may be inhibitory effective on the production of Ig E, suggesting that it can regulate the allergic symptoms.

4) Organization which performed the test :Tanabe R & D Service Co., Ltd. (Tokyo, Japan)

