

## **INHIBITORY EFFECT OF MGN-3 ON THE PROGRESS OF ATOPIC DERMATITIS IN NC MICE.**

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MGN-3 is an extract of arabinoxylan from rice bran. We investigated the immunoregulatory effects of MGN on the NC mice, which naturally develops increased serum IgE and atopic dermatitis-like skin lesion. MGN-3 was orally given to five NC mice, and OVA was immunized three times to the NC mice. The blood samples were collected biweekly before and after the immunization.

Amounts of total IgE, as well as OVA specific IgE, in the sera measured by specific ELISA were significantly decreased in the MGN-3 treated NC mice. Furthermore, atopic dermatitis-like skin lesion was not developed in five of five MGN-3 treated NC mice, while all NC mice without treatment developed the skin lesion. We conclude that MGN-3 has inhibitory effect on the progression of atopic dermatitis in NC mice.