

Research confirmed that lactoferrin present in milk activates immune cells

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Morinaga Milk confirmed that lactoferrin activates plasmacytoid dendritic cells (pDCs) that play important roles in the initiation of viral immune response. This research was mainly conducted with the Wakayama Medical University, Japan. We reported these results at the 15th International Conference of Lactoferrin held on 6–10th December 2021 in Beijing, China.



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The International Conference on Lactoferrin has been held every two years since 1992 for the development of lactoferrin research. Morinaga Milk joined this conference and has been reporting its research achievements since the 1st conference. At the 15th conference, over 200 attendees from 28 countries joined, and more than 70 oral reports about the various aspects of lactoferrin, including the protective effects against infection and the results of clinical trials, were provided.

Plasmacytoid dendritic cells (pDCs) are immune cells that play important roles in the initiation of viral immune response, confirmed that lactoferrin activated pDCs using cell assays. This finding may explain one aspect of the mechanism by which lactoferrin widely modulates the immune system