

**LACTOBACILLUS PARACASEI STRAIN AND USE THEREOF****ABSTRACT**

The present invention pertains to: a novel human-derived probiotic strain that is  
5 *Lactobacillus paracasei* KBL382, *Lactobacillus paracasei* KBL384, or *Lactobacillus*  
*paracasei* KBL385; and a use of the strain for improving intestinal health and treating or  
preventing intestinal diseases. The strain according to the present invention has excellent  
anti-inflammatory and immunomodulatory functions, has a superb strengthening effect  
on tight junctions of the intestinal tract wall, suppresses enteritis-induced weight loss and  
10 colon length reduction, thereby exhibiting a therapeutic effect for enteritis, and  
significantly alleviates the symptoms of atopic dermatitis. Therefore, the strain can be  
useful as a probiotic material for enhancing anti-inflammatory effects, strengthening  
immunity, improving intestinal health functions, and alleviating allergic diseases.

15

Fig. 4