

Abstract

A strain of exopolysaccharide-secreting *Lactobacillus brevis*, BDLB0001, and an application thereof. The *Lactobacillus brevis* is deposited at the China General Microbiological Culture Collection Center of the China Committee of Culture Collection for Microorganisms, with a deposit number of CGMCC No.5223. The *Lactobacillus brevis* secretes an elevated amount of exopolysaccharide, where the exopolysaccharide secreted is capable of eliciting B lymphocyte proliferation to enhance immunity, and has application prospects in medicaments, healthcare products and food products for immunity enhancement.

Figure 3