ABSTRACT

By using, as an active ingredient, Bifidobacterium adolescentis, the present invention provides intestinal bacteria for protecting the intestinal barrier function with higher efficacy than conventional ones. The present invention provides, as an active substance of the intestinal barrier protective agent, a cell wall polysaccharide fraction and/or cytoplasmic fraction of Bifidobacterium adolescentis, a polysaccharide having a repeating structure of rhamnose, glucose, and galactose in a ratio of (4 to 3):1:(2 to 1), wherein the polysaccharide is recovered from a 10,000- to 30,000-molecular-weight-cutoff ultrafiltration fraction, or uridine diphosphate-N-acetylmuramic acid-L-alanine-D-glutamic acid-L-lysine.

[Fig. 7]