What is claimed is:

1. Use of a~~A~~ composition comprising Lactobacillus sakei Probio-65 as an active ingredient ~~for~~ in the manufacture of a medicament for the prevention or treatment of Alzheimer's disease ~~comprising *Lactobacillus sakei* Probio-65 as an active ingredient~~.

2. The ~~composition for prevention or treatment of Alzheimer's disease~~use according to claim 1, wherein the *Lactobacillus sakei* Probio-65 is a *Lactobacillus sakei* Probio-65 culture medium obtained by liquid-cultivating the *Lactobacillus sakei* Probio-65 strain.

3. A food composition comprising *Lactobacillus sakei* Probio-65 or a culture medium thereof.

4. Cosmetics containing *Lactobacillus sakei* Probio-65 or its culture medium.

5. A feed composition comprising *Lactobacillus sakei* Probio-65 or a culture medium thereof.