CLAIMS

What is claimed is:

1. Use of casein hydrolysate for the manufacture of a composition for reducing the risk of autoimmune disease, treating autoimmune disease, and/or reducing the symptoms of autoimmune disease, wherein the casein hydrolysate comprises each of the following individual peptides: SEQ ID NO: 4, SEQ ID NO: 13, SEQ ID NO: 17, SEQ ID NO: 21, SEQ ID NO: 24, SEQ ID NO: 30, SEQ ID NO: 31, SEQ ID NO: 32, SEQ ID NO: 51, SEQ ID NO: 57, SEQ ID NO: 60, and SEQ ID NO: 63 .

2. The use according to claim 1, wherein the autoimmune disease is selected from the group consisting of type 1 diabetes, Crohn's disease, Ulcerative colitis, Metabolic syndrome, HLA-DQ8 related diseases, HLA-DQ2 related diseases, and Celiac disease.

3. The use according to claim 2, wherein the autoimmune disease is type 1 diabetes.

4. The use of claim 1, wherein the hydrolysate comprises at least three additional peptides selected from the group consisting of SEQ ID NO: 1-68.

5. The use according to claim 4, wherein the hydrolysate comprises at least three additional peptides selected from the group consisting of SEQ ID NO: 1-24.

6. The use according to claim 5, wherein the hydrolysate comprises at least three additional peptides selected from the group consisting of SEQ ID NO: 1-15.

7. The use according to claim 1, wherein the composition is a nutritional composition, comprising a lipid or a fat phase, and a protein source.

8. The use according to claim 7, wherein the nutritional composition comprises about 0.1 to about 1 g/100 kcal of a prebiotic composition, wherein the prebiotic composition comprises at least 20% of an oligosaccharide.

9. The use according to claim 7, wherein the nutritional composition further comprises about 5 to about 100 mg/100 kcal of a source of long chain polyunsaturated fatty acids which comprises docosahexanoic acid.

10. A use according to claim 9, wherein the nutritional composition further comprises arachidonic acid.

11. The use of claim 7, wherein the nutritional composition additionally comprises one or more of carbohydrates, nucleic acids, minerals, anabolic nutrients, vitamins, antioxidants, probiotic bacterial strains and lipotropic agents.