CLAIMS

1. An antiadhesive material comprising:

(A) a peptide (A-1) consisting of an amino acid sequence of -(X-Pro-Y)$_n$-, wherein X represents any amino acid, Pro represents proline, Y represents hydroxyproline or proline, and n is an integer of 1 to 10, and/or a peptide (A-2) having an amino acid sequence of -(Pro-Y)$_m$-, wherein Pro represents proline, Y represents hydroxyproline or proline, and m is an integer of 1 to 10; and

(B) a gelatin gel.

2. The antiadhesive material according to claim 1, wherein, in the amino acid sequence (A-1), X is a hydrophobic amino acid, a hydrophilic basic amino acid, or a hydrophilic neutral amino acid.

3. The antiadhesive material according to claim 1, wherein, in the amino acid sequence (A-1), X is glycine, isoleucine, asparagine, arginine, tyrosine, alanine, valine, or leucine.

4. The antiadhesive material according to claim 1, wherein, in the amino acid sequence (A-1), Y is hydroxyproline.

5. The antiadhesive material according to claim 1, wherein, in the amino acid sequence (A-1), X is glycine, isoleucine, asparagine, arginine, or tyrosine, and Y is hydroxyproline.

6. The antiadhesive material according to claim 1, wherein, in the amino acid sequence (A-1), n is an integer of 1 to 5.

7. The antiadhesive material according to claim 1, wherein, in the amino acid sequence (A-2), m is an integer of 1 to 5.

8. The antiadhesive material according to claim 1, wherein the gelatin gel is a crosslinked gelatin gel.

9. The antiadhesive material according to claim 1, wherein the gelatin gel is a gelatin sponge gel.

10. The antiadhesive material according to claim 1, wherein the gelatin gel is a powder-form aerogel or a granule-form hydrogel.

11. The antiadhesive material according to claim 1, wherein the antiadhesive material further comprises an aqueous solvent, and is in hydrogel form containing the peptide and the gelatin gel.

12. The antiadhesive material according to claim 1, wherein the antiadhesive material comprises no aqueous solvent, and is a one-part type which includes a solid formulation containing the peptide and the gelatin gel.

13. The antiadhesive material according to claim 1, wherein the antiadhesive material is a two-part type which includes formulation I containing the peptide and formulation II containing the gelatin gel.

14. The antiadhesive material according to claim 13, wherein the formulation I is in liquid form containing an aqueous solvent, and the formulation II is in hydrogel form containing an aqueous solvent.

15. The antiadhesive material according to claim 13, wherein the formulation I is in liquid form containing an aqueous solvent, and the formulation II is in aerogel form.

16. The antiadhesive material according to claim 13, wherein the formulation I is in powder form, and the formulation II is in hydrogel form containing an aqueous solvent.

17. The antiadhesive material according to claim 13, wherein the formulation I is in powder form, and the formulation II is in aerogel form.

18. A method of manufacturing an antiadhesive material, comprising:

combining formulation I comprising a peptide (A-1) consisting of an amino

acid sequence of -(X-Pro-Y)$_n$-, wherein X represents any amino acid, Pro represents proline, Y represents hydroxyproline or proline, and n is an integer of 1 to 5, and/or a peptide (A-2) having an amino acid sequence of -(Pro-Y)$_m$-, wherein Pro represents proline, Y represents hydroxyproline or proline, and m is an integer of 1 to 10; and formulation II comprising a gelatin gel.

19. A method for preventing adhesion, the method comprising administering the antiadhesive material according to claim 1 in an amount effective for preventing adhesion to a site of a biological tissue in need of preventing adhesion.