[0110]

The range of joint motion was measured as follows. At 2 weeks after administration of the test sample, the left hind limb of a rabbit was amputated. The amputated left hind limb was placed on a measuring table. Next, a thread was attached to flexor digitorum profundus tendon of a proximal portion of MP joint, and the thread and a tensile tester was joined together through a hook. The tensile tester was configured with a force gauge (trade name: "Digital Force Gauge ZP-500N", IMADA CO., LTD.) and a test stand (trade name: "horizontal motorized test stand MH2-500N", IMADA CO., LTD.). Then, loads (0.5, 1.0, 2.0, and 3.0 N) were applied to the tendon. Photographic images were obtained before and after application of the load. The range of joint motion was calculated by the following formula.

[Numerical formula 1]

Range of joint motion (°) = before application of load (flexion angle of PIP joint + flexion angle of DIP joint) - after application of load (flexion angle of PIP joint + flexion angle of DIP joint)

[0111]

The results obtained are shown in Fig. 4. Photographic images of the state of the flexor tendon observed at the end of the test are also shown in Fig. 4. From the results, it was confirmed that when both collagen-derived tripeptide mixture 1 containing Gly-Pro-Hyp and the crosslinked-gelatin sponge gel were administered, adhesion can be prevented and the range of joint motion can be expanded.

[0112]

5. Test Example 4

5-1. Preparation of test sample