

Next, a DNA fragment encoding the heavy chain of the humanized anti-CD3 scFv (C3E-7034) constructed in Example 11)-2 was net-synthesized artificially. "pCL_#13552" was prepared by inserting DNAs encoding the obtained scFv heavy chain variable region, human IgG-derived CH1, and a Fc region with reduced effector functions and containing heteromultimer-forming mutations to mammalian expression vector pTT5. Also, a DNA fragment encoding the light chain of the humanized anti-CD3 scFv (C3E-7034) constructed in Example 11)-2 was net-synthesized artificially. "pCL_#12287" was prepared by inserting DNAs encoding the obtained scFv light chain variable region and human IgG-derived CL to mammalian expression vector pTT5. Likewise, a DNA fragment encoding the heavy chain of the humanized anti-CD3 scFv (C3E-7036) constructed in Example 11)-4 was net-synthesized. "pCL_#13541" was prepared by inserting DNA sequences encoding the obtained scFv heavy chain variable region, human IgG-derived CH1, and a Fc region with reduced effector functions and containing heteromultimer-forming mutations to mammalian expression vector pTT5. Also, a DNA fragment encoding the light chain of the humanized anti-CD3 scFv (C3E-7036) constructed in Example 11)-4 was net-synthesized. "pCL_#12321" was prepared by inserting DNA fragments encoding the obtained scFv light chain variable region and human IgG-derived CL to mammalian expression