ABSTRACT

The present inventors investigated the effects of anti-IL-6 receptor antibodies on improving the condition of infarcted areas in myocardial infarction, and on suppressing left ventricular remodeling after myocardial infarction. As a result, the administration of anti-IL-6 receptor antibodies significantly suppressed the increase of MPO activity in the infarcted area and suppressed myocardial MCP-1 expression in both the infarcted area and the non-infarcted area. Furthermore, echocardiography and histological examinations revealed that cardiac hypertrophy is also suppressed.