

MODIFIED Fc REGION OF ANTIBODY

ABSTRACT

5 Polypeptides with improved stability as compared to that of a parent polypeptide were
successfully obtained by modifying at least one amino acid in a loop region of the antibody Fc
region. Furthermore, by combining multiple amino acid modifications in the loop region,
polypeptides with maintained or enhanced FcγR-binding activity as well as improved thermal
stability, polypeptides with decreased FcγR-binding activity as well as improved thermal
10 stability, and polypeptides with not only improved thermal stability and adjusted FcγR-binding
activity but also decreased aggregate content, as compared to those of a parent polypeptide, were
successfully obtained.

(FIG. 1)