PROTEIN CAPABLE OF BINDING SPECIFICALLY TO IMMUNOGLOBULIN, AND IMMUNOGLOBULIN-BINDING AFFINITY LIGAND

ABSTRACT

An object of the present invention is to create a novel engineered Protein A ligand having better antibody dissociation properties in the acidic condition compared with known engineered Protein A ligands. The present invention provides a protein having an affinity for an immunoglobulin, including an amino acid sequence obtained by introducing, into an amino acid sequence derived from any of E, D, A, B and C domains of Protein A, at least one amino acid substitution at any one or more of amino acid residues corresponding to positions 31 to 37 of the A, B and C domains (positions 29 to 35 of the E domain, positions 34 to 40 of the D domain), which are conserved in all the domains, the protein having a lower affinity for an Fab region of an immunoglobulin than a protein having the amino acid sequence before introduction of the substitution.

No Suitable Figure